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# MONTANA HIGHWAY DEPARTMENT

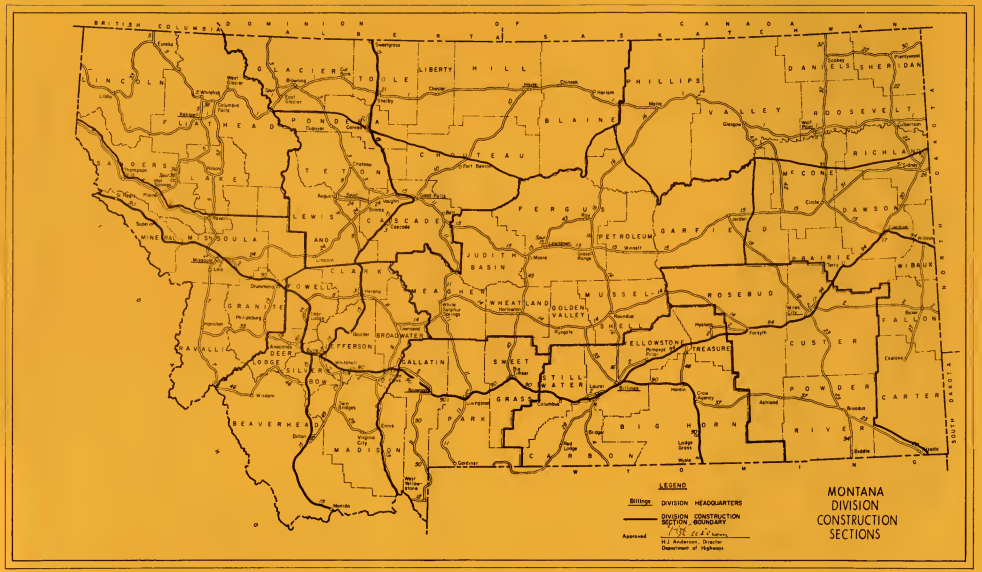
STATE DOCUMENTS

# FIELD ENGINEERING AND CONSTRUCTION

## PROGRESS REPORT

ISSUED THE FIRST AND THIRD WEEK OF THE MONTH

MAY 16, 1977



DOMINION OF CANADA
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
NORTH DAKOTA
SOUTH DAKOTA
WYOMING
LINCOLN
GLACIER
TOOLE
LIBERTY
HILL
PHILLIPS
DANIELS
SHERIDAN
FLATHEAD
PONDERA
BLAINE
VALLEY
ROOSEVELT
RICHLAND
GARDENS
LAKE
TETON
CHOUTEAU
McCONE
DAWSON
LEWIS AND CLARK
CASCADE
FERGUS
PETROLEUM
GARFIELD
MINERAL
MISSOULA
JUDITH BASIN
PRAIRIE
WIBAUX
POWELL
MEAGHER
WHEATLAND
GOLDEN VALLEY
MUSSELSHELL
ROSEBUD
GRANITE
BROADWATER
FALLON
RAVALLI
DEER LODGE
JEFFERSON
GALLATIN
SWEET GRASS
STILLWATER
YELLOWSTONE
TREASURE
CUSTER
SILVER BOW
POWDER RIVER
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CARBON
LEGEND
Billings DIVISION HEADQUARTERS
DIVISION CONSTRUCTION SECTION BOUNDARY
Approved
H.J. Anderson, Director
Department of Highways
MONTANA
DIVISION
CONSTRUCTION
SECTIONS

MONTANA DEPARTMENT OF HIGHWAYS
MISSOULA, MONTANA
MAY 13, 1977

Montana Department of Highways
Helena, Montana

Progress Report
Area 1130

Gentlemen:

The following report is submitted covering construction and preconstruction operations in Area 1130 for the period ending May 13, 1977:

## G E N E R A L

Skies have been partly cloudy, temperatures cool with some light rain the past two weeks. Progress has been fair on the active projects.

## P R E C O N S T R U C T I O N

I 90-1(12), Drexel-East & West
Length-5.8 Miles
There has been no word from the consultants.

Menasco-McGuinn Associates
Helena, Montana

I 90-1(13)39-43, Sloway-East & West
I 90-1(40)43-47, Superior-West
F 254(10), LaVista-Superior Primary
Corrections are being made on the Superior structures as a result of the meeting with the MDH on February 10, 1977. Summaries are being revised and work is underway on miscellaneous details for the mainline change by the C.M.ST.P. & P. railroad bridge. The roadway portion of the contract is 97% complete, the bridge section is 99.9%, and the total contract as a whole is 97% complete.

Henningson, Durham & Richardson
Helena, Montana, Consultants
Probable Completion Date-July 30, 1977

I 90-1(77)22, Drexel-East & West
Length-5.342 Miles, Construction Staking
Construction layout remains 28% complete. Personnel are currently working on other assignments.

Lorren Claridge, Field Project Manager
St. Regis, Montana, Phone 649-2471

I 90-1(77)22, U-6, Drexel-East & West
Construction of End Bents
Erection of Steel Girders & Construction of Decks

Bill Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479
Contract Letting-May 26, 1977

RS 4(10), State Route 269, Stevensville
Length-0.5 ± Mile, Preliminary Engineering
Allan Dutton, Field Project Manager
Missoula, Montana, Phone 549-6491
Two engineers have worked nine days in office on notes, hardshell, and profile. Four men worked six days on utilities and encroachments.

F 90(8), Thompson Falls-East
Length-10.0 Miles, Preliminary Engineering
Personnel Unassigned
Work will be started when personnel are available.

F 197(8), Dixon-Ravalli
Length-8.5 ± Miles, Preliminary Engineering
Personnel Unassigned
Work will be started when personned are available.

RF 215(27), Florence-Lolo, Add 2 Lanes
Length-8.5 Miles
Jim Smith, Designer II
Missoula, Montana, Phone 549-6491
No work has been done this past two weeks. Personnel are currently working on F 259 (12), Hamilton-North revisions.

RF 223(6), Plains-Paradise
Length-6.9 Miles
Chuck Hegman, Field Project Manager
Missoula, Montana, Phone 549-6491
Work has been suspended while personnel are on other assignments. The survey is 6% complete.

ROS 4144(52), U-5, East of Missoula
Bridge End Treatment
Contract scheduled for letting.
Personnel Unassigned

M 8114, Missoula
Fifth and Sixth to Seventh Streets
Work will be started when personnel are available.
Personnel Unassigned

M 8199(3), Missoula Intersections
Preliminary Engineering
Work has been suspended.
Tom Oertli, Field Project Manager
Missoula, Montana, Phone 549-6491

## CONSTRUCTION

I 90-1(80)0, Lookout Pass-East
Length-10.732 Miles, AGS-PMS-G. Rail-Sign
Contract Awarded May 6, 1975
Amount of Contract-$5,359,580.07
Work Started June 30, 1975
Work Proceed Date-May 28, 1975
Northwest Construction, Inc.
Kirkland, Washington, Contractor
Cecil Owen, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-200 Working Days
Probable Completion Date-May 1, 1977

The project as a whole is 99% complete with 78% of the contract time elapsed. Pit reclamation remains to be completed. A 2-man engineering crew is compiling final data for submittal to the Division office about June 6, 1977.

I 90-1(78)11, Saltese-DeBorgia
Length-10.8 Miles
PMS, PCCP & Related Items
Contract Awarded-May 3, 1977
Amount of Contract-$6,244,632.55
Work Proceed Date-May 24, 1977
Peter Kiewit Sons' Company
Billings, Montana, Contractor
Gary Eichert, Field Project Manager
St. Regis, Montana, Phone 649-2460
Probable Completion Date-September, 1978
One five-man survey crew has been establishing control points for concrete paving and working on miscellaneous items. Construction layout is 11% complete.

I 90-1(50)16, U-1 & I 90-1(52)11, U-1
Saltese-Haugan & DeBorgia-East & West
Length-10.828 Miles, GR-AGG. SURF-PMB
Contract let December 14, 1972
Amount of Contract-$5,533,558.78
Work Started February 15, 1973
Washington Construction Company
Missoula, Montana, Contractor
Carl Smith, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-350 Calendar Days
Completed on August 12, 1976
Two engineers are compiling final data for submittal to the Division office about June 6, 1977.

I 90-1(77)22, U-1, Drexel-East & West
Length-455.0 Ft. & 638.0 Ft. Composite
Steel & Girder Bridges over St. Regis River
Contract let July 2, 1975
Work Started August 19, 1975
Amount of Contract-$2,282,935.00
Hensel-Phelps Construction Company
Vancouver, Washington, Contractor
Jack Silvey, Engineer Tech. 3
Superior, Montana, Phone 649-2471
Probable Completion Date-May 20, 1977
Contract Time-140 Working Days
There has been no work performed on this project the last two weeks. The structural steel fabricator is now investigating the structural steel inventory in Missoula. The project as a whole is 97% complete with all of the contract time elapsed. Construction layout, with one engineer engaged, is 79% complete.

I 90-1(77)22, U-2, Drexel-East & West
Length-0.5 Mile, Grading & Detours
Contract let June 10, 1976
Amount of Contract-$1,453,180.88
Work Started July 6, 1976
Work Proceed Date-July 6, 1976
Washington Construction Company
Missoula, Montana, Contractor
Lorren Claridge, Field Project Manager
St. Regis, Montana, Phone 649-2471
Contract Time-120 Working Days
Work Completed-December 7, 1976
Final estimate being checked in Division office. It will be forwarded to Helena about June 24, 1977.

I 90-1(77)22, U-3, Henderson Interchange
Length-138.0 Ft. Prestressed Concrete Girder Overpass
Contract let November 19, 1976
Amount of Contract-$292,648.99
Work Started April 15, 1977
Sletten Construction Company
Great Falls, Montana, Contractor
Bill Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479
Contract Time-135 Working Days
Probable Completion Date-November 15, 1977

The contractor has not worked during this last period. The project as a whole is 3% complete with 15% of the contract time elapsed.

I 90-1(77)22, U-5, Drexel-East & West
Structures at Sta. 241+61 & 251+80 & Grading
Contract let February 24, 1977
Amount of Contract-$1,102,551.98

McIntyre Construction Co. & S. Birch, Inc.
Great Falls, Montana, Contractor
Bill Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479

The contractor has been constructing the detour at Sta. 252 as weather permits and has begun clearing the work area at Sta. 242. The contractor has 10 men working five 8-hour shifts per week. They began plant mix base paving of detour on May 9, 1977 with material from a commercial source in Missoula. The project as a whole is 1% complete with 9% of the contract time elapsed. Construction layout, with one engineer engaged, is 80% complete.

I-IG 90-1(61)27, U-1, St. Regis-East & West
Length-151.5 Ft. Prestressed Concrete Girder
Bridge, 376 Ft. Composite Steel over St.
Regis River, & Grading Detour Road
Contract let March 31, 1977
Amount of Contract-$1,007,222.56

Cop Construction Company
Billings, Montana, Contractor
George Roat, Field Project Manager
Superior, Montana, Phone 822-4972
Contract Time-250 Working Days
Probable Completion Date-November 15, 1977

Work during the past two weeks has consisted of clearing and grubbing of the construction site and erection of construction signing. The contract as a whole is 1% complete with 1% of the contract time elapsed. Eight men are working five 8-hour shifts per week. Construction layout, with 2 engineers engaged, is 10% complete.

I 90-1(59)35, U-1, St. Regis-East
Length-3.6 Miles, GR-AGG. SURF-PMB-
Sign & Flasher Installation
Contract let December 16, 1976
Amount of Contract-$2,836,425.90
Work Proceed Date-April 18, 1977
Work Started January 25, 1977

Washington Construction Company
Missoula, Montana, Contractor
Lorren Claridge, Field Project Manager
St. Regis, Montana, Phone 649-2471
Contract Time-220 Working Days
Probable Completion Date-December 15, 1977

The contractor started moving excavation on May 3, 1977 at Sta. 700+00 eastbound and presently are working from Sta. 728 to 740. They are also placing drainage pipes at Sta. 769± and 776±. All new installations are complete back to Sta. 700+00 eastbound. The sub-contractor has the access fence complete from the beginning of the project to Sta. 850+00 right of eastbound. He is presently clearing for the left side. The project as a whole is 14% complete with 6% of the contract time elapsed. Twenty-four men are working five 8-hour shifts per week. Construction layout, with a 12-man engineering crew engaged, is 46% complete.

I 90-1(87)45, Superior-West
Length-544.5 Ft. Composite Steel & Concrete
Girder Bridge over the Clark Fork River
Contract let June 26, 1975
Amount of Contract-$1,084,707.40
Work Started August 25, 1975

Hensel-Phelps Construction Company
Vancouver, Washington, Contractor
George Roat, Field Project Manager
Superior, Montana, Phone 822-4972
Contract Time-250 Working Days
Probable Completion Date-July 15, 1977

Work during the past two weeks has consisted of placing concrete for the backwall at Bent 1, placing reinforcing steel on spans 1,2,3, and 4, and placing and grading floor drains. The project as a whole is 79% complete with 78% of the contract time elapsed. Twelve men are working five 8-hour shifts per week. Construction layout, with a three-man engineering crew engaged, is 75% complete.

I 90-1(51)78, U-3, Huson-West
Length-1,020.0 Ft. Composite Steel & Concrete Girder Bridge over Clark Fork & Emb. Apps.
Contract let August 16, 1974
Amount of Contract-$2,367,500.00
Work Started October 9, 1974

Hensel-Phelps Construction Company
Vancouver, Washington, Contractor
Bill Maart, Field Project Manager
St. Regis, Montana, Phone 649-2479
Contract Time-280 Working Days
Probable Completion Date-May 30, 1977

The contractor has completed painting the structural steel on the bridge. The project as a whole is 97% complete with 92% of the contract time elapsed. Three men are working four shifts per week of various lengths. Construction layout, with one engineer engaged, is 100% complete.

RF 164(20), Philipsburg-South
Length-7.7 Miles, PMB. Seal & Cover Signing & Lighting
Contract let May 13, 1976
Amount of Contract-$591,661.11
Work Started May 26, 1976

Zook Brothers, Construction Company
Great Falls, Montana, Contractor
Al Dutton, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-90 Working Days
Probable Completion Date-May 20, 1977

Construction was completed April 14, 1977. Final data will be submitted to the Division office about June 17, 1977.

RF 192(9), Arlee-Safety, US 93
Flasher Installation & Traffic Control Devices
Contract let November 19, 1976
Amount of Contract-$29,588.95
Work Started March 14, 1977
Work Proceed Date-April 19, 1977

S & S Construction Company
Helena, Montana, Contractor
Julian Hughes, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-20 Working Days
Probable Completion Date-June 15, 1977

No work has been performed on this project since March 17, 1977. The project as a whole is 42% complete with 0% of the contract time elapsed. Construction layout, with a two-man engineering crew engaged, is 85% complete.

HHS 219(1), FF 219(32), & HHS 219(35)
DeSmet Interchange-North, Evaro-North & South, & Evaro Hill
Length-10.595 Miles, Missoula & Lake Counties
Contract let February 26, 1976
Amount of Contract-$876,235.40

McIntyre Construction Co. & S. Birch, Inc.
Great Falls, Montana, Contractor
Chuck Hegman, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-110 Working Days
Contract Completed-September 29, 1976

Final estimate will be submitted to Helena about July 1, 1977.

RS-DP 224(14) U-2, Reserve Street
Length-148.0 Ft. Concrete Girder Overpass over C.M.ST.P. & P. railroad, Approaches & Fencing
Contract Awarded-May 2, 1977

General Construction Company
Butte, Montana, Contractor
Chuck Hegman, Field Project Manager
Missoula, Montana, Phone 549-6491

Amount of Contract-$360,910.77
Work Proceed Date-May23, 1977
Contract Time-105 Working Days
Probable Completion Date-November 15, 1977
A four-man engineering crew is in the field re-establishing the staked centerline, setting R/W points and markers, and running bench levels and cross-sectioning for irrigation structures. Two men are working in the office on notes and drawings.

RS 343(12), Avon-Helmville
Length-5.1 Miles, G-AGG. SURF-PMB Widen & Guard Rail Revision
Contract let May 27, 1976
Amount of Contract-$1,168,747.12
Work STarted July 7, 1976
Washington Construction Company
Missoula, Montana, Contractor
Jerry Tahija, Field Project Manager
Drummond, Montana, Phone 288-3280
Contract Time-150 Working Days
Probable Completion Date-August 15, 1977
Plant mix base was produced and placed on roadway at Sta. 617+00 to 690+00. 1½' CBC Gr 5 and Prime were completed this week. The project as a whole is 80% complete with 69% of the contract time elapsed. Thirty men are working five 8-hour shifts per week. Construction layout, with seven engineers engaged, is 90% complete.

M-RS OOOS(53), Missoula County-Urban
Length-37.9 Miles, Signing & Delineation
Contract let October 29, 1976
Amount of Contract-$58,976.70
Work Proceed Date-April 18, 1977
Contract Time-90 Working Days
Western Sign Corporation
Great Falls, Montana, Contractor
Julian Hughes, Field Project Manager
Missoula, Montana, Phone 549-6491
Probable Completion Date-July 1, 1977
The contractor has been painting steel posts and hanging signs, and began drilling holes and setting guide posts this past week. The project as a whole is 51% complete with 17% of the contract time elapsed. Five men are working five 9-hour shifts per week. Construction layout, with two engineers engaged, is 98% complete.

M 8105(3), Missoula, hannelization & Signal Revision, W. Broadway & Russell Intersection
Contract let November 19, 1976
Amount of Contract-$125,400.50
Work Proceed Date-April 18, 1977
Work Started February 23, 1977
Fred Strandberg Construction Co., Inc.
Helena, Montana, Contractor
Jim Williams, Field Project Manager
Missoula, Montana, Phone 549-6491
Probable Completion Date-July 29, 1977
There has been no work on this project the past two weeks. The shop drawings for some of the signal poles have not been approved to date. The project as a whole, is 5% complete, with the construction layout 18% complete.

M 8107(4), North Orange Street, Missoula
Length-0.8 Mile, Lighting & Overhead Monitor
Contract let August 25, 1976
Amount of Contract-$85,663.22
Work Started March 22, 1977
Work Proceed Date-September 20, 1976
Midland Electric Company
Billings, Montana, Contractor
Jim Williams, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-60 Working Days
Probable Completion Date-June 17, 1977
The contractor has been installing 1" conduit and working light bases the past two weeks. The project as a whole is 63% complete with 30% of the contract time elapsed. Four men are working four 8-hour shifts per week. Construction layout, with two engineers engaged, is 40% complete.

M 8199(2), U-2 & M-U 8199(4), Missoula
School Crossings, Signing & Signalization
Contract let June 10, 1976
Amount of Contract-#106,132.00
Work Started July 20, 1976
Work Proceed Date-July 6, 1976

Western Sign Corporation
Great Falls, Montana, Contractor
Julian Hughes, Field Project Manager
Missoula, Montana, Phone 549-6491
Contract Time-60 Working Days
Probable Completion Date-May 30, 1977

Two men are working on the curb getting forms ready to be formed and poured. One man is working on the top soil leveling to seed. The project as a whole is 95% complete with 26% of the contract time elapsed. Two men are working five 9-hour shifts per week. Construction layout, with two engineers engaged, is 100% complete.

SMP 3299-77, Missoula & Ravalli Counties
Crush & Stockpile 55,000 Tons Aggregate
Contract let January 27, 1977
Amount of Contract-$166,025.00
Work Proceed Date-April 18, 1977
Work Not Yet Started

Washington Construction Company
Missoula, Montana, Contractor
Dwight Lohn, Lab Supervisor 2
Missoula, Montana, Phone 549-6491
Contract Time-80 Working Days
Probable Completion Date-July 15, 1977

Contract is 0% complete with 25% of the contract time elapsed. It is expected that crushing will start on this project next week.

Thomas J. Barnard

TOM BARNARD, ASST. SUPERVISOR
DIVISION CONSTRUCTION SECTION

DEPARTMENT OF HIGHWAYS

Kalispell, Montana

May 13, 1977

Department of Highways
Helena, Montana 59601

Progress Report

Gentlemen:

The following is a report on pre-construction and construction activities in area 1230 for the period ending May 13, 1977.

## G E N E R A L

Progress has been mostly good. Weather has been near normal temperatures with considerable precipitation. Day time temperatures ranged from +50° to +75° with night temperatures from +32° to +45°. Highways are in average spring driving condition with normal traffic.

## P R E - C O N S T R U C T I O N

HHS-58(28) Libby-Kalispell
Length - 2900' & 7000' Alignment
Design Started - April 5, 1977

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - August 1, 1977

Two men worked 16 man days the past period on cross sections, plan sheets, and section tie computations. One man has now begun work on bridge situation sheets. Work will begin on a grade line as soon as a typical section recommendation is received. 27 man days have been used to date on design, which is approximately 5% complete.

F83-2(1) 67 Swan Lake North Overlay
Length - 12.7 Miles
Survey & Design Authorization-Jan. 31, 1977
Design Started - Feb. 23, 1977

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - Pending

The Materials Bureau is presently in the process of reviewing the entire project to determine the adequacy of the roadway structure. Results will indicate how the plant mix overlay is to be designed, and what additional provisions will have to be made, such as digouts, filter fabric, or rubberized asphalt.

F-38-1(3);((F-100(9)) Columbia Falls
East & West RS486-1(2);((S-334(2))
Nucleus Avenue
Length - 5.4 Miles
Design Started - January 14, 1975

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - June 30, 1977

F-38-1(2)

There has been no work on design the past period. Work will resume and be completed after the storm drain design is received from the Hydraulics Unit. 329 man days have been used to date on design, which is approximately 70% complete.

RS-486-1(2)

There has been no work on design the past period. Work will resume and be completed after the storm drain design is received from the Hydraulics Unit. 77 man days have been used to date on design, which is approximately 70% complete.

F-1-2(3);(RF-257(16)) & LSF-1-257(5) Coram-
West Glacier Section
Length - 4.8 Miles
Scheduled for July 1977 Letting

August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-3950

No engineering work was performed on the project the past period due to personnel being assigned to other projects. The total man days used remains at 273.5.

UTILITIES

Montana Power Company resumed work on May 4, 1977 and worked 5-8 hour shifts with 3-5 men employed. They completed revisions right of Sta. 686+00± to 8+00±, and plan to work at completing the crossing at Sta. 529+65 next. The relocation is approximately 35% complete.

There has been no work by Harp Line Construction Co., contractor for Flathead Electric Co-op during the past period. They are still waiting for the insulators for the transmission line, but plan to resume work on May 16, 1977 installing the 4" conduit for the underground crossings. The relocation remains at approximtaley 30% complete.

F-5-4(1)(F-263(8)) Stryker-Roosville
Length - 6.0± Miles
Design Started - May 6, 1977

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - Pending

All survey data was submitted to the Designer on May 6, 1977. A survey crew is presently working on several alternate lines at the south Eureka city limits. On the completion of these alternate surveys, design will begin. Field work is 98% complete.

RS-325(2) Libby South East Rte. 482
Length - 3.5 Miles
Survey Authorization Dated - Dec. 6, 1974
Survey Started - January 6, 1975
Sruvey Suspended - January 17, 1975

Gerald Roat, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5006
Est. Comp. Date - Pending

No work on this location survey the past period. The limited survey which consists of centerline, section ties and level datum remains 3% complete.

RS-451(1) West Reserve Drive
Length - 6.5 Miles
Design Started - June 22, 1974

Loren Dollan, Designer II
Kalispell, Montana 59901
Phone: 755-5717
Est. Comp. Date - Pending

There has been no work on design this reporting period. Work will resume after design personnel have completed currently assigned projects. 82 man days have been used to date on RS-451(1) design, which is approximately 12% complete.

HHS 1-2(2)121 (HHS 257(30))
Kalispell East - Street Lighting & Signal
Length 1.5 Miles
Scheduled for May 26 Letting

Dan Tombrink, Eng. Tech, III
Kalispell, Montana 59901
Phone: 755-3950

No field work done to date.

## C O N S T R U C T I O N

ERFO 72(2) Essex-Summit
Bear Creek - Flood Repair
Length - N/A
Contract Let - October 29, 1976
Contract Awarded - October 29, 1976
Contract Amount - $1,711,336.10
Proceed Order - April 18, 1977
Work Started - November 22, 1976

Zook Brothers Const. Co.
Great Falls, Montana 59401
August Strobbe, Field Proj. Mgr.
Essex, Montana 59916
(No Phone)
Contract Time - 120 Working Days
Prob. Comp. Date - Sept. 1, 1977

Progress has been good. Contractor working 5-8 hour shifts, employing 25-30 men, placing class III riprap at stations 77 to 87 Rt, 104 to 110 Rt. and 113+50 to 123+75 Lt. 104,084 tons class III riprap has been placed to date making this item 66% complete. Two dozers worked 5½ days on restoration. Contractor employing 5 iron workers this last period assembling multi-plates in the staging area and hauling them to designated locations on project. This last week the contractor has been setting up the crusher in the Fielding pit area and plans on starting to crush plant mix material. Project as a whole is 42% complete with 16% of the contract time elapsed. Construction layout remains approximatley 79% complete with 8 engineering personnel assigned to layout and inspection duties.

RF-BRF-100(15) Flathead River Bridge
Columbia Falls
Pre-Stressed Concrete Girder Bridge &
Grade, & Surf. Temp. Approach
Length - 0.303 Miles
Contract Let - March 27, 1975
Contract Awarded - March 31, 1975(Con.fy FHWA)
Contract Amount - $2,117,380.30
Proceed Order - April 21, 1975
Work Started - May 21, 1975

COP Construction Company
Billings, Montana 59101
Lawrence Chezik, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5717
Contract Time - 300 Working Days
Prob. Comp. Date - July 1, 1977

Progress has been good the past two weeks with 3-17 men working 12 shifts of 6-15 hours per shift. Work on the W. B. Structure consisted of setting up the screed machine and placing the W. B. deck slab. Work presently consists of clean up of form materials, etc,, and forming W. B. Span No. 1 barrier curb. The project as a whole is approximately 97% complete with 85% total contract time elapsed. Two state inspectors are assigned to the project.

U191(38) St. Matthew School Signals
MU6799(1) #2 Signal Upgrade
Installation of Flasher at St. Matthew
School Crossing on Main St. in Kalispell
and Signal Controller Upgrade on Four
Intersections on U.S. #2
Contract Let - March 25, 1976
Contract Awarded - March 31, 1976(FHWA 4-1-76)
Contract Amount - $46,975.20
Proceed Order - April 22, 1976
Work Started - October 13, 1976

Signal Electric Inc.
Kent, Washington
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-3950
Contract Time - 45 Working Days
Project Completed - April 29, 1977

The project was completed and accepted on April 29, 1977. One state employee is working on the notes and final as time permits.

HHS-257(31) Dew Drop Curve
Grading & Plant Mix Surfacing
Length - 0.094 Miles
Contract Let - August 30, 1976
Contract Awarded - August 30, 1976
Contract Amount - $17,623.96
Proceed Order - September 20, 1976
Work Started - October 8, 1976

Pack & Co., Inc.
Kalispell, Montana 59901
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5006
Contract Time - 30 Working Days
Project Completed - Oct. 19, 1976

Final has been checked and will be forwarded to Helena by first available transportation.

DP-270(13) U.S. #93 North of Kalispell
Grade, Gravel Surface
Length - 0.776 Miles
Contract Let - February 26, 1976
Contract Awarded - March 1, 1976
FHWA Concurred - March 2, 1976
Contract Amount - $285,900.23
Proceed Order - April 16, 1976
Work Started - April 27, 1976

Pack & Co., Inc.
Kalispell, Montana 59901
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-3950
Contract Time - 60 Working Days
Project Completed - December 3, 1976

DP-270(13) U.S. #93 North of Kalispell

Final is being checked in division office as time permits, and should be ready for submittal to Helena about May 31, 1977/

F-330(6) Libby-East
Grade, Agg. Surf. Plant Mix Surf. &
Seal, Storm Serwer Installation
Signing, Lighting & One Pre-Stressed
Concrete Girder Bridge
Length - 4.5 Miles
Contract Let - March 27, 1975
Contract Awarded - April 4, 1976(FHWA Cons. 4-7-75)
Contract Amount - $2,843,803.46
Proceed Order - April 28, 1975
Work Started - April 28, 1975

Zook Brothers Const. Company
Great Falls, Montana 59401
Gerald Roat, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5006
Contract Time - 200 Working Days.
Project Completed - December 6, 1976

1 to 2 men resumed work on the final on May 10, 1977. Estimated submittal date is now August 1, 1977.

RS-410(8) Wampoo-4th of July Creek-Yaak Road
Grade, Gravel Surface, Plant Mix
Length - 4.6 Miles
Contract Let - June 10, 1976
Contract Awarded - June 14, 1976
Contract Amount - $1,546,063.86
Proceed Order - July 6, 1976
Work Started - July 6, 1976

Murphy Brothers, Inc,
Spokane, Washington
Jack Adamson, Field Proj. Mgr.
Troy, Montana 59935
Phone: 295-4741
Contract Time - 140 Working Days
Prob. Comp. Date - July 1, 1977

Progress has been fair. The contractor began crushing 1½" base this past period and is placing it on the roadway from Sta. 0+00 to Sta. 150+00. Approximately 25,000 tons have been placed making this item 25% complete. The contractor has also been shaping roadway to blue tops and shaping topsoil for seeding. Four optional pipe and one cross drain has been placed making these items 95% complete. The project as a whole is now 65% complete with 70% of the contract time elapsed. Ten engineering personnel are assigned to the project and construction layout is approximately 75% complete.

RS-DP-448(3) Dayton-Northwest
Grade, Agg. Surf. Plant Mix Base
Length - 5.38 Miles
Contract Let - December 18, 1975
Contract Awarded - December 19, 1975
Contract Amount - $1,227,911.77
Proceed Order - April 16, 1976
Work Started - April 5, 1976

L. M. Johnson, Inc.
Spokane, Washington
August Strobbe, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-3950
Contract Time - 180 Working Days
Prob. Comp. Date - July 1, 1977

RS-DP-448(3) Dayton Northwest (Cont.)

Very little progress the last period. A three man guard rail crew completed guard rail, signs, and R/W markers on May 3, 1977. All contract items and change orders are 100% completed with the exception of chip and seal and stripping, which will be completed in the summer of 1977. The project as a whole remains 95% complete with 76% of the contract time elapsed. Construction layout remains 96% complete with one to two men on field notes as time permits.

RS 4144(52) U1-Polson
RS 4144(52) U12-Ravalli
Bridge End Treatment
Contract Let - February 24, 1977
Contract Awarded - February 28, 1976
Contract Amount - $16,025.45
Prodeed Order - April 18, 1977
Work Not Started

Western Sign Corp.
Great Falls, Montana 59401
Daniel Tombrink, Eng. Tech. III
Kalispell, Montana 59901
Phone: 755-3950
Contract Time - 30 Working Days
Prob. Comp. Date - Pending

Project involves bridge end approach improvements of Flathead River bridge, west of Polson and the bridge on the Jocko River, west of Ravalli. The contractor has not begun work pending arrival of the material from their supplier, Syro Steel, which is still on strike. A survey crew worked one day the past period, running tangent lines for the new guard rail making construction layout approximately 75% complete. One engineer is assigned as required.

M6730(1) & RS-404(8) Kalispell-South Loop
Grade, Agg. Surf., Pl. Mix Base, Pl. Mix Surf. & Water Line and Signing
Length - 3.7 Miles
Contract Let - September 30, 1976
Contract Awarded - October 7, 1976
Contract Amount - $1,739,309.92
Proceed Order - October 28, 1976
Work Started - November 9, 1976

Clark Brothers Contractors
Victor, Montana 59875
Gerald Roat, Field Proj. Mgr.
Kalispell, Montana 59901
Phone: 755-5006
Contract Time - 130 Working Days
Prob. Comp. Date - Oct. 15, 1977

Progress has been fair the past two weeks. The contractor worked 8½, 8 to 9 hour shifts, losing 1½ shifts down time due to weather. Finishing of sub-grade continued from 432 to 480. The crushing of the plant mix Grade C was completed and they are currently crushing 1½" base. The 4" Select is completed with the exception of bringing to blue tops from 483 to 530. The contractor poured the DD concrete edge protector Lt. Sta. 574+05 on May 10, 1977. They currently employ approximately 35 men. Thirteen engineers and inspectors are assigned to the project and have the construction layout about 55% complete. The project as a whole is approximately 60% complete with 21% of the contract time elapsed.

SMP-1599-76 (State Project)
4 Crusher Setups in Flathead, Lake
Lincoln, and Mineral Counties
Contract Let - December 17, 1976
Contract Awarded - December 17, 1976
Contract Amount - $113,500.00
Proceed Order - April 18, 1977
Work Started - March 29, 1977

Frank Boroni Construction
Butte, Montana
John Kalien, Lab. Supervisor III
Kalispell, Montana 59901
Phone: 755-5717
Contract Time - 65 Working Days
Prob. Comp. Date - June 1, 1977

Progress the past period has been good. Contractor has completed crushing operations in Pit No. 2430-29 (Proctor). Will be moving to Pit No. 2740-04, Elk Hill, in the near future. Contractor has 4 men employed and working 1-9 hour shift, 5 days per week. One state employee testing and recording scale readings. Contract is 56% complete with 29% time elapsed.

Relocation: Montana 37 - Unit 3A Libby Dam & Lake Koocanusa Project
Length - 2.44 Miles
Contract Awarded - August 3, 1976
Contract Amount - $732,945.00
Proceed Order - August 31, 1976

Bering Straits Construction Co.
(Central Const. Co.)
Seattle, Washington
U.S. Army Corps of Engineers
Libby, Montana 59923
Phone - 293-6221
Jack Adamson, FPM-Liason Engineer
Troy, Montana 59935
Phone - 295-4741
Contract Time - 360 Working Days
Est. Comp. Date - Pending

The work on this project has been taken over by a Bonding Company. Still unable to get a confirmed date as to when work will resume. Removal of the existing railroad grade has been completed. Also some work has been done at the quarry pit in preparation for work resumption. The project as a whole is approximately 5% comlete.

Howard A. Stockwell
FOR James J. Keithley, P.E.
Supv. Div. Const. Section

JJK:HAS:mb

Department of Highways

Butte, Montana

May 12, 1977

Department of Highways
Helena, Montana

Progress Report
Division 2130

Gentlemen:

The following report covers construction and preconstruction operations in Division 2130 for the period ending May 10, 1977. The weather has been cool with some rain and snow showers and temperatures ranging from +26° to +71°.

## PRECONSTRUCTION

F 8-2(3)
Intersection of 11th Ave. and
Fee St. - Helena
Location Survey
0.00 Miles
Lewis & Clark County

Gerald S. Ditto, Manager
Field Project
Helena, Montana
Probable Completion Date:
Undetermined

Work on this project will commence when time permits.

F 8-4(1)77
Townsend-Toston
Pl. Mix Overlay on U.S. #287
Design
10.125 Miles
Broadwater County

Raymond M. Grant
Designer II
Butte, Montana
Estimated Completion Date:
May 31, 1977

Work on this project has been suspended until the Plan-In-Hand inspection is held on May 12, 1977. Design work on the project is 62.5% complete with 48 man days used to date.

I IG 15-3(13)157
Basin - Boulder
5.49 Miles
Jefferson County

Morrison-Maierle, Inc.
Consulting Engineers
Helena, Montana

Design

I IG 15-3(13)157 Cont'd.
We received verbal authorization to proceed with earthwork comps assuming that a borrow site will be located. Construction limits and R/W limits are being plotted on R/W plans. Water surface profiles at bridge sites and at the channel change are being computed. Boring logs at Stas. 1527+50, 1469+00, 1385+00 & 1280 have been received and preliminary plans for the first three tested are 50% complete. A draft of the Final Design Study Report was submitted for review on 4-29-77. A plan of the channel change at Sta. 1265 was submitted on April 15, 1977 for review. Cross sections for the access road between Stas. 1300 and 1360 were plotted. Design Plans are 25% complete. R/W Plans are 10% complete. Project as a whole is 46% complete.

Location

Bill Bork, Manager
Field Project
Boulder, Montana
Tel. 225-3878

Work the past period consisted of completing cross-sections. An eleven (11) man crew expended 238.5 man days for a total of 857 man days used to date. Location work was completed on May 6, 1977 and all material has been sent to Consultant Design in Helena.

S 34(4) Section 2
Jackson - North
Design
7.566 Miles
Beaverhead County

Raymond M. Grant
Designer II
Butte, Montana
Estimated Completion Date:
Unknown

The design of this project has been temporarily suspended to complete the design work on other projects. Plotting the mylar and profile, plotting and inking the cross sections, tracing the plan and profile linens and laying and computing the grades are all 100% complete. The design remains 22% complete with 164 man days used to date.

F 249(19)
Avon - Elliston
Location Survey
12.136 Miles
Powell County

Gerald S. Ditto, Field
Project Manager
Helena, Montana
Estimated Completion Date:
Unknown

Survey has been suspended, temporarily, due to construction project. There has been a total of 511½ days expended to date. Line and Levels runs are 100% complete. Cross sections taken are 39% complete and topography is 40% complete. Project as a whole is 42% complete.

RS 393-1(1)3
Basin Creek Road
Design
2.850 Miles
Silver Bow County

Raymond M. Grant
Designer II
Butte, Montana
Estimate Completion Date:
September 23, 1977

RS 393-1(1)3 Cont'd.
A two man crew worked 3 man days tracing plan and profile linens for R/W printing, drawing typical sections and computing typical section dimensions. Tracing of the plan and profile linens are 66% complete. They will be completed and sent to Helena for R/W printing when a definite alignment between sta. 0+00 and sta. 50+00 is established. The plan and profile linens traced and inked are 66% complete. The cross sections plotted, topoged and inked are 100% complete. The hardshell drawn and the profile plotted and inked are 100% complete. Hydraulics data has been submitted to the Hydraulics Unit for culvert recommendations and the title sheet for the project has been requested from Helena. Typical section recommendations were received from the surfacing design unit on May 9, 1977. Design work on the project is 11.5% complete with 43 man days used to date.

RS 441-1(1)0
Gregson Road
Design
2.969 Miles
Silver Bow County

Raymond M. Grant
Designer II
Butte, Montana
Probable Completion Date:
December 16, 1977

Work for the period consisted of checking the hardshell and profile for errors prior to tracing the plan and profile linens. Tracing the plan and profile linens and checking hydraulic data submitted with location survey notes. A two man crew expended 10 man days for a total of 30 man days used to date. All location survey culvert data was submitted to the Hydraulics Unit for culvert recommendations. The profile was sent to the surfacing design unit for typical section recommendations and the title sheet for the project has been requested from the pre-construction section. Tracing of the plan and profile linens is 70% complete, they will be completed and sent to Helena for R/W printing when the alignment from sta. 110+00 to the end of the project sta. 157+24.1 is established. The hardshell plotted is 100% complete. The profile plotted and inked is 100% complete. The cross sections plotted, inked and topoged are 70% complete and will be completed when final alignment is established. Survey notes checked and cross section notes reduced are 100% complete. Design work on the project is 9.6% complete.

S 452(1) Section 2
Whitehall - Jefferson Island
Design
1.041 Miles
Madison & Jefferson Counties

Raymond M. Grant
Designer II
Butte, Montana
Probable Completion Date:
Unknown

The design work on this project has been suspended awaiting the bridge end elevations and design from the Bridge Dept. The mylar and profile plotted; the plan and profile linens traced, and the cross sections plotted and inked are all 100% complete. The design remains 10% complete with 40 man days used to date.

## PRECONSTRUCTION

M 1810(1)
Grand Avenue - Butte
Design
1.3745 Miles
Silver Bow County

Raymond M. Grant
Designer II
Butte, Montana
Probable Completion Date:
January 5, 1978

Work for the period consisted of tracing the plan and profile linens for the project. A two man crew worked 4 man days for a total of 160 man days used to date. The title sheet for the project has been requested from the preconstruction section. Tracing the plan and profle linens is now 100% complete and they will be submitted to Helena upon reciept of the title sheet. Further design work on the project will be suspended until a determination is made on whether to proceed with design of a four lane or a two lane thorough fare. The plan and profile linens traced are 100% complete. The cross sections plotted inked and topoged are 100% complete. The profile for a two lane facility is 95% complete. The hardshell plotted is 100% complete and the survey notes and cross section notes checked and reduced are 100% complete. Design for the project as a whole is 12.5% complete.

M 5807(1)
Neill to Lyndale on North
Last Chance - Helena
Location Survey
0.8 Miles
Lewis & Clark County

Engineer: Unassigned
Probable Completion Date:
Undetermined

Field location work on this project will commence when a crew is available.

## CONSTRUCTION

I 15-2(34)103 Unit 4
Divide - North
The construction of a Dual Rest Area, Lighting, Signing and Related Items
Silver Bow County
Contract Let: June 12, 1975
Bid Price: $377,474.95
Work Started: July 21, 1975

Ingram - Clevenger, Inc.
Helena, Montana
Irvin Broell, Manager
Field Project
Butte, Mt. Tel. 494-5706
Contract Time: 200 Working Days
Probable Completion Date:
May 27, 1977

Project on winter shutdown. Work remaining consists of installation of curbing and landscaping work under Change Order No. 2 which will be accomplished this spring. Project as a whole is 99% complete with 99% of the contract time elapsed. There are two Engineers assigned to this project and they are presently helping on project M 0299(3).

I 15-2(35)111 Unit 1
I 15-2(36)118
Deer Lodge Pass North & Nissler South Roads
Grading, Agg. Surfacing, Plant Mix Bit.
Surf. & Signing
Silver Bow County
7.792 Miles

McIntyre Constr. Co. & S. Birch
Great Falls, Montana
Matt Vranish, Manager
Field Project
Deer Lodge, Mt. Tel. 846-1694

I 15-2(35)111 Unit 1
I 15-2(36)118 Cont'd.
Contract Let: Sept. 20, 1973
Bid Price: $2,694,875.50
Work Started: Oct. 18, 1973

Contract Time: 360 Calendar Days
Completion Date:
July 19, 1976

Checking of Final Data is progressing in the Division Office. It is estimated that Final Data will be sent to Helena on June 17, 1977.

I 15-2(37)134 &
I 15-3(25)135 Unit 1
Butte North & Woodville North
Grading, Surfacing
and Plant Mix Bit. Base
6.499 Miles
Silver Bow & Jefferson Counties
Contract Let: January 9, 1975
Bid Price: $3,734,970.05
Work Started: March 17, 1975

McIntyre Constr. Co. &
S. Birch Inc.
Great Falls, Montana
Frank Caprara, Manager
Field Project
Butte, Mt. Tel. 792-1797
Contract Time: 260 Working Days
Probable Completion Date:
September 9, 1977

Work the past period consisted of erecting fence and conducting seeding operations. The contractor employed 7 men for 7-8 hour shifts. Project as a whole is 64% complete with 52% of the contract time elapsed. Construction layout as a whole is 80% complete with 4 Engineers and 2 Inspectors engaged.

I 15-2(38)120, I 115-2(6)126,
I 90-4(25)205, & I 90-4(31)207
Nissler - East Butte, Inter., Butte Spur
Opportunity Junction - Homestake Pass Road
and Opportunity Interchange
4 - Lane Safety Upgrade
30.7 Miles
Silver Bow & Deer Lodge Counties
Contract Let: April 25, 1975
Bid Price: $1,577,086.10
Work Started: June 23, 1975

Western Sign Corp. Lewis Constr.
Co. & Cascade Electrical Co. (JV)
Great Falls, Montana
Robert Wilson, Manager
Field Project
Warm Springs, Mt. Tel. 693-2242
Contract Time: 150 Working Days
Completion Date:
November 16, 1976

Final Data was submitted to Division Office on April 22, 1977. Checking of Final Data by Division Office personnel will commence when time permits. It is estimated that Final Data will be sent to Helena on August 31, 1977.

I 15-3(25)134 Unit 2
Woodville - North Road
The construction of a dual 148.0
foot prestressed concrete girder
overpass (Woodville Interchange), a dual 123.0'
Concrete girder overpass (Sawmill
Gulch Separation) and a dual 128.0
foot prestressed concrete girder overpass
(Trask Interchange)
0.075 Miles
Jefferson County
Contract Let: Oct. 17, 1974
Bid Price: $806,060.40
Work Started: May 19, 1975

McEachern Constr. Co.
Butte, Montana
Loren Matkin, Manager
Field Project
Warm Springs, Mt. Tel. 693-2242
Contract Time: 230 Working Days
Completion Date:
November 6, 1976

I 15-3(25)134 Unit 2 Cont'd.
Final Inspection and Acceptance November 30, 1976. It is estimated that Final Data will be sent to Helena Sept. 9, 1977.

I 15-3(26)140 Unit 1
Elk Park - South
Grading, Aggregate Surfacing,
Plant Mix Bituminous Base,
Fencing and Signing
Jefferson County
2.4 Miles
Contract Let: August 26, 1976
Bid Price: $1,549,787.98
Work Started: Sept. 14, 1976

McIntyre Constr. Co. &
S. Birch Inc.
Great Falls, Montana
Bill Bork, Manager
Field Project
Boulder, Mt. Tel. 225-3878
Contract Time: 150 Working Days
Probable Completion Date:
November 11, 1977

Project on winter shutdown. Project as a whole is 43% complete with 27% of the contract time elapsed. Construction layout as a whole is 82% complete. The 5 man Engineering crew is helping on proj. M 0299(3).

FH 28-1(3)
MacDonald Pass East & West (West Section)
Grading, Aggregate Surf., Pl. Mix
Bit. Base Surf., Seal, Cover,
Signing & Fencing
2.5 Miles
Powell and Lewis & Clark Counties
Contract Let: April 25, 1975
Bid Price: $2,227,170.70
Work Started: June 5, 1975

Meyer Constr. Co.
Billings, Mont.
James Trankel, Manager
Field Project
East Helena, Mt. Tel. 227-5392
Contract Time: 240 Working Days
Probable Completion Date:
August 31, 1977

Work the past period consisted of installing culverts and conducting grading operations. The contractor employed 5 men for 10-8 hour shifts. Project as a whole is 75% complete with 81% of the contract time elapsed. Construction layout as a whole is 89% complete with 6 Engineers and 1 Inspector engaged.

F 29-1(2)42
Intersections of Main St. & 7th Ave.
& Main St. & 4th Ave. in
Twin Bridges
Traffic Control Devices
0.00 Miles
Madison County
Contract Let: April 28, 1977
Bid Price: $14,539.00
Work Not Started

Western Sign Corporation
Great Falls, Montana
Irvin Broell, Manager
Field Project
Butte, Mt. Tel. 494-5706
Contract Time: 45 Working Days
Probable Completion Date:
July 15, 1977

Preconstruction Conference is scheduled for May 18, 1977.

RS 34(7)
Wisdom - South
Grading, Agg. Surf., Pl. Mix
Base, Seal & Cover
10.160 Miles
Beaverhead County
Bid Price: $1,609,681.60
Contract Let: June 29, 1976
Work Started: July 26, 1976

Clark Bros. Contractors
Victor, Montana
William Birkenbuel, Manager
Field Project
Wisdom, Mt. Tel. 689-2255
Contract Time: 175 Working Days
Probable Completion Date:
October 14, 1977

Project is on winter shutdown. Project as a whole is 61% complete with 45% of the contract time elapsed. Construction layout as a whole is 97% complete. There is a 7 man engineering crew assigned to this project and they are presently doing location work with two men being assigned to SMP 0499-77.

HHS 089-1(001)
Various Intersections U.S. #91
in Dillon
Signing and Flashers
0.00 Miles
Beaverhead County
Contract Let: November 18, 1976
Bid Price: $14,714.84
Work Not Started

S&S Construction
Helena, Montana
Irvin C. Broell, Manager
Field Project
Divide, Mt. Tel. 267-2263
Contract Time: 30 Working Days
Probable Completion Date:
June 24, 1977

Preconstruction Conference held February 15, 1977.

I 90-3(34)193 Unit 1
I IG 90-4(26)194 U1 & RS 304(12) Unit 1
Racetrack-North, Warm Springs-North
& South and Galen East
Grading and Structures
13.083 Miles
Powell & Deer Lodge Counties
Contract Let: April 29, 1976
Bid Price: $7,050,419.49
Work Started: June 10, 1976

Washington Construction Co.
Missoula, Montana
John T. McGeever, Manager
Field Project (Road)
Warm Springs, Mt. Tel. 693-2242
Loren Matkin, Manager
Field Project (Bridge)
Warm Springs, Mt. Tel. 693-2242
Contract Time: 260 Working Days
Probable Completion Date:
September 15, 1977

Road
Work the past period consisted of fencing and installing culverts and conducting grading operations. Contractor employed 41 men for 10-8 hour shifts. Project as a whole is 70% complete with 35% of the contract time elapsed. Construction layout as a whole is 84% complete with 11 Engineers and 2 Inspectors engaged.

Bridges
Progress during the past period was good. Work consisted of: Sta. 812+05.20 placing deck concrete; forming on curbs & painting prime coat on steel bridge rail (inside building). Sta. 842+26.32 (E.B.) forming on left & right overhangs & outside edge of deck, all spans; placing deck & curb reinf. steel Span No. 2 & No. 3; placing bridge drains; installing safety rail & painting prime coat on steel bridge rail inside of building. Sta. 1049+68.60 (E.&W.B.) erecting steel bridge rail. Sta. 1150+10.00 (W.B.) stripping & finishing overhang & erecting steel bridge rail.

I 90-3(34)193 Unit 1
I IG 90-4(26)194 U1 & RS 304(12) Unit 1 Cont'd.
(E.B.) placing concrete stripping, finishing & curing left & right curbs, all spans; finishing inside of Bt. No. 1 & No. 5 backwalls; stripping deck & cleaning beams Span No. 1,2&4. Percent complete for the items are as follows: Conc. Cl. AD, 78%; Prebeams Type A & 4, all 100%; Struct. Steel Item 431001000, 100%; Struct. Steel Item 431001010, 94%; Struct. Excav. Type 1, 100%; Test Pile Item 461020000 & Item 461020001, 100%; Furn. & Drive T.T. Pile, 100%; Pile Prebore Holes, 100%; Reinf. Steel, 77%; Br. Rail Steel Type 5, 22%; Drainage System, 25% & Protective Coat, 49%. The structures as a whole are 82% complete. During the past period the bridge subcontr. (McIntyre Constr. Co.) worked 10-8 hr. shifts with 22 men employed. Construction layout is 77% complete with a 4 man engineering crew assigned.

I IG 90-3(39)176
Garrison East & West (East Section)
Grading, Agg. Surf., Pl. Mix
Bit. Surf., Signing, Fencing and
the construction of a 303.76' steel
girder (Beckhill Interchange)
and one 21.33' concrete slab overpass
(Junior Grade Separation)
3.560 Miles
Powell County
Contract Let: February 26, 1976
Bid Price: $3,718,181.56
Work Started: June 30, 1976

Max J. Kuney Co.
Spokane, Washington
Matt J. Vranish, Manager
Field Project (Road)
Deer Lodge, Mt. Tel. 846-1694
Robert Gilman, Manager
Field PRoject (Bridges)
Deer Lodge, Mt. Tel. 846-3344
Contract Time: 240 Working Days
Probable Completion Date:
November 18, 1977

Road
Work the past period consisted of conducting grading operations and installing culverts. The contractor employed 60 men for 10-8 hour shifts. Project as a whole is 39% complete with 46% of the contract time elapsed. Construction layout as a whole is 96% complete with 7 Engineers and 2 Inspectors engaged.
Bridges
Junior Grade Separation at Sta. 386+49.1: Finishing interior wall surfaces of Abutments No. 1 and No. 2. Cleaning up area around structure.
Beckhill Interchange at Sta. 338+00.00: Forming, placing and tying Reinforcing Steel, and placed concrete in Abutment No. 3 backwall and wingwalls, All substructure concrete is in place excluding sections over backwalls and abutment curb and end post sections. Setting Structural Steel beams and bolting in lateral bracing spans No. 1 and No. 2. Percentages complete for the structural items are as follows: Structural Steel 90%; Reinforcing Steel 47%; Class AD Concrete 66%; Traffic Control 51%; Mobilization 59%; Structural Steel 85%; Furnish Steel Bearing Piles 100%; Drive Steel Bearing Piles 100%. The contractor worked ten (10) eight (8) hour shifts employing an average of eleven (11) men on the structures during the past two week period. The structural section of the project is 70.3% complete.

I IG 90-4(26)194 Unit 2
& RS 304(12) Unit 2
Warm Springs - North & South
and Galen East Road
The construction of a dual 133.0' prestressed concrete girder overpass, 5 concrete slab structures and a dual 85.0' prestressed concrete girder bridge on project

Contract Let: July 24, 1975
Bid Price: $1,081,047.36
Work Started: November 26, 1975
McEachern Const. Co.
Butte, Montana
Harold Wiebe, Manager

I IG 90-4(26)194 Unit 2
& RS 304(12) Unit 2 Cont'd.
I IG 90-4(26)194 U2 and the construction of a 121.5' prestressed concrete girder bridge on project RS 304(12)U2
0.075 Miles
Deer Lodge County

Field Project
Warm Springs, Mt. Tel. 693-2276
Probable Completion Date:
July 1, 1977

Clark Fork River Structure at Sta. 1370+07.00: Work at grinding deck.
Willow Creek Structure at Sta. 1355+38.00: Worked at grinding deck.
Clark Fork River Structure at Sta. 196+75.00: Began forming deck and backwalls.
Percentages complete for items are as follows: Unclassified Channel Excavation 85%, Structure Excavation 88%, Reinforcing Steel 82%, Class AD Concrete 90%, Structural Steel 89%, Shoring & Crib 98%, Filter Material 85%, Gravel Blanket 87%, Class II Rip-Rap 80%, Mobilization 90%, Steel Beam Bridge Rail Type 5 45%, pre-stressed Beams Type A 60 Ft. 100%, Pre-Stressed Beams Type 4 85 Ft. 100%, Pre-Stressed Beams Type A 35 Ft. 100%. The project as a whole is 84% complete with 80% of the contract time elapsed. The contractor worked four (4) eight (8) hour shifts employing an average of seven (7) men.

RF 171(17) & RS 167(10)
Harrison - North & South and Cardwell - Southeast
Grading, Agg. Surfacing and Pl. Mix Bit. Surfacing
8.3 Miles
Madison, Gallatin & Jefferson Counties
Contract Let: November 24, 1975
Work Started: December 17, 1975
Bid Price: $2,060,160.58

McEachern Const. Co.
Butte, Montana
George Buckman, Manager
Field Project
Anaconda, Mt. Tel. 563-2321
Contract Time: 200 Working Days
Completion Date:
January 14, 1977

Work on Final Data is 95% complete in the Field Office. It is estimated that Final Data will be sent to Helena on Oct. 21, 1977.

M 0299(3)
Anaconda Urban System
Grading, Pl. Mix Bit. Base, Pl. Mix Bit. Surf. and Signing
2.8 Miles
Deer Lodge County
Contract Let: April 28, 1977
Bid Price: $996,307.40
Work Not Started

Zook Bros. Const. Co.
Great Falls, Mt.
George Buckman, Manager
Field Project
Anaconda, Mont. Tel. 563-2321
Contract Time: 120 Working Days
Probable Completion Date:
November 30, 1977

Preconstruction conference has not been held.

RF FF 249(27)
MacDonald Pass East & West (East Section)
Grading, Agg. Surf., Pl. Mix Bit. Base Surf., Seal, Cover
Signing & Fencing
4.1 Miles
Lewis & Clark County
Contract Let: Dec. 16, 1976
Bid Price: $2,865,627.44
Work Started: Jan. 24, 1977

Meyer Const. Co.
Billings, Montana
James Trankel, Manager
Field Project
East Helena, Mt. Tel. 227-5392
Contract Time: 240 Working Days
Probable Completion Date:
August 31, 1978

RF FF 249(27) Cont'd.
Work the past period consisted of erecting fence, crushing gravel and conducting grading operations. The contractor employed 22 men for 10-8 hour shifts. Project as a whole is 7% complete with 6% of the contract time elapsed. Construction layout as a whole is 74% complete with 5 Engineers and 2 Inspectors engaged.

HHS 261(15)
Racetrack Overpass
Pl. Mix Bit. Overlay and
Guard Rail Installation
0.0 Miles
Deer Lodge County
Contract Let: October 28, 1976
Bid Price: $138,895.50
Work Not Started

Jim Gilman, Excavating Co.
Butte, Montana
Robert Wilson, Manager
Field Project
Warm Springs, Mt. Tel. 693-2242
Contract Time: 30 Working Days
Probable Completion Date:
May 27, 1977

Preconstruction Conference held March 2, 1977.

FF 401(3)
Intersection of Montana Ave.
and Billings Ave. in Helena
Signalization
0.00 Miles
Lewis & Clark County
Contract Let: August 26, 1976
Bid Price: $27,859.23
Work Started: October 7, 1976

S&S Construction
Helena,Montana
Gerald Ditto, Manager
Field Project
Helena, Mt. Tel. 442-9762
Contract Time: 45 Working Days
Probable Completion Date:
July 8, 1977

Work the past period consisted of installing poles, pulling wire and mounting signal heads. The contractor employed 2 men for 10-8 hour shifts. Project as a whole is 42% complete with 15% of the contract time elapsed. Construction layout as a whole is 75% complete with 3 Engineers and 1 Inspector engaged.

SMP 0499-77 (State Optioned)
Maintenance Crushing
Broadwater, Beaverhead and
Gallatin Counties
Contract Let: February 24, 1977
Bid Price: $119,000.00
Work Started: March 23,1977

Jim Gilman Excavating,Inc.
Butte, Montana
Russell R. Yarnall, Materials
Supervisor III
Butte, Mt. Tel. 494-3666
Contract Time: 65 Working Days
Probable Completion Date:
May 27, 1977

Work the past period consisted of completing crushing in the Broadwater County Pit No. 0410-21. The contractor employed 6 men for 11-10 hour shifts. Project as a whole is 95% complete with 28% of the contract time elapsed. There are 3 Engineers on this project.

M 1803(2)
Harrison Ave. and Amherst
St.-Butte
Signal Modification, Signing
and Channelization

Western Sign Corp.
Great Falls, Montana
Robert Wilson, Manager
Field Project

M 1803(2) Cont'd.
0.00 Miles
Silver Bow County
Contract Let: June 28, 1976
Bid Price: $30,854.50
Work Started: October 12, 1976

Warm Springs, Mt. Tel. 693-2242
Contract Time: 45 Working Days
Probable Completion Date:
June 24, 1977

No work the past period. Project as a whole is 47% complete with 40% of the contract time elapsed.

M 1804(2)
West Park St.-Butte
Butte-Brown's Gulch Road
Grading, Agg. Surf., Pl. Mix
Bit. Base, Pl. Mix Bit. Surf.,
Signing, Lighting & Traffic Signals
0.5 Miles
Silver Bow County
Contract Let: January 27, 1977
Bid Price: $525,301.20
Work Started: March 15, 1977

Jim Gilman Excavating, Inc.
Butte, Montana
Joseph Bettle, Manager
Field Project
Butte, Mt. Tel. 494-4172
Contract Time: 130 Working Days
Probable Completion Date:
November 18, 1977

Work the past period consisted of excavating old pavement, placing 1½" gravel, and installing storm sewer, manholes and drop inlets. The contractor employed 22 men for 8-8 hour shifts. Project as a whole is 23% complete with 10% of the contract time elapsed. Construction layout as a whole is 80% complete with 4 Engineers and 2 Inspectors engaged.

ROS 4144(52) Unit II
Bridge End Protection - Bridge over
Missouri River & B.N.R.R.
Overpass Near Toston
Bridge End Guard Rail and
Shoulder Widening
0.596 Miles
Broadwater County
Contract Let: April 28, 1977
Bid Price: $63,630.50
Work Not Started

Western Sign Corporation
Great Falls, Montana
Gerald Ditto, Manager
Field Project
Helena, Mont. Tel. 442-9762
Contract Time: 30 Working Days
Probable Completion Date:
July 8, 1977

Preconstruction Conference is scheduled for May 18, 1977.

M 5805(1)
Signal Modification of various
Intersection in the City of Helena
0.00 Miles
Lewis & Clark County
Contract Let: May 27, 1976
Bid Price: $25,327.50
Work Started: April 29, 1977

Skinner Enterprises
Helena, Montana
Gerald Ditto, Manager
Field Project
Helena, Mt. Tel. 442-9762
Contract Time: 30 Working Days
Probable Completion Date:
May 27, 1977

M 5805(1) Cont'd.
Work the past period consisted of excavating for pedestals and installing conduit and loop pull boxes. The contractor employed 2 men for 4-8 hour shifts. Project as a whole is 3% complete with 57% of the contract time elasped. Construction layout as a whole is 95% complete with 3 Engineers and 1 Inspector engaged.

Richard B. Dundas, P.E. Supervisor
Division Construction Section-Butte

RBD/GBH/MJJ/cu

P.O. Box 1110
Bozeman, Montana 59715

May 13, 1977

Progress Report
Division 2230

Department of Highways
Helena, Montana 59601

Gentlemen:

Following is a report covering construction and preconstruction operations in the Bozeman Division for the two week period ending May 13, 1977. For the most part the weather has been favorable for construction activities.

## P R E C O N S T R U C T I O N

F 11-1(1)54 — Engineer Unassigned
Park Street - Livingston
Length - 1.6 Miles

The information requested by the plan-in-hand report of April 27 will be obtained as men are available.

F 13-1(1)24 — Engineer Unassigned
8 Mi. South of Cameron - South
Length - 6.0 Miles

All information requested from the field has been transmitted to Helena.

F 13-1( )30 — Engineer Unassigned
3 Mi. South of Cameron - South
Lenght - 5.0 Miles

All information requested from the field has been transmitted to Helena.

F 20(4) US 191 Spur — Roger E. Blossom, PE, FPM
Approx. Length - 6.7 Miles — No Phone Big Sky
Estimated Completion Date: Nov. 1977

A survey crew is again working on this location survey, but no report has been received at the time of this letter.

F 29-1(3)16 — Engineer Unassigned
Virginia City Hill
Length - 0.9 Mile

All information requested from the field has been transmitted to Helena.

FH 42-3(2)
Slide Near Karsts - Gallatin Co.

Roger E. Blossom, PE, FPM
No Phone Big Sky

All information requested from the field has been transmitted to Helena.

F 45-1(1)15
Big Timber - North
Length - 11.4 Miles

George A. Sitton, Acting FPM
Phone: 222-1965 Livingston

All requested data was transmitted to Helena on March 11, 1977.

F 50-2(1)88
Signals
Intersections of Main with 3rd & 5th Ave.
- Bozeman

Engineer Unassigned

A plan-in-hand inspection for this project was held April 7, 1977.

F 60(15)
Clyde Park - N & S

Engineer Unassigned

All information requested from the field has been transmitted to Helena.

ROS 76(10)
US 191 Gallatin Canyon Safety
Partial Survey for Future Safety Upgrade

Roger E. Blossom, PE, FPM
No Phone Big Sky

All requested information has been transmitted to Helena.

F 86-1(1)0
Rouse Ave & Lamme St. Int. - Bozeman

Engineer Unassigned

A plan-in-hand inspection was held on April 7, 1977.

F 86-1( )
8 Mi. South of Park Co. Line - South
Length - 6.0 Miles

Engineer Unassigned

A plan-in-hand inspection has been scheduled for May 17, 1977.

F 86-1( )
Park Co. Line - South
Length - 8.1 Miles

Engineer Unassigned

All information requested from the field has been submitted to Helena.

IR 90-6( ) — Engineer Unassigned
Rocky Canyon (PMS Overlay)
Length - 5.3 Miles

No information has been requested from the field.

I 90-6( ) 315 — Engineer Unassigned
Bozeman Pass - West, Rest Area

No information has been requested from the field to date.

I 90-7(17)350 — Eningeer Unassigned
Springdale - Big Timber
Length - 13.477 Miles

All requested work has been completed.

I 90-7(18)364 — Ronald T. Hoyem, FPM
Big Timber - Greycliff — Phone: 932-3272 Big Timber
Length - 10.814 Miles

All information requested from the field has been submitted to Helena.

I 90-7(21)339 — Engineer Unassigned
Springdale - West
Length - 9.2 Miles

All requested work has been completed.

I 90-7(34)375 — Ronald T. Hoyem, FPM
Greycliff - East — Phone: 932-3272 Big Timber
Access Road (Prairie Dog Town)
Length - 0.440 Mile

All requested information has been transmitted to Helena.

I 90-7(36)321 U-2 — Engineer Unassigned
Bozeman Pass - East
Rest Area & Sand House

No information has been requested from the field to date.

I 90-7(40)332 — William F. Nimmons, FPM
Snow Fence — Phone: 586-5074 Bozeman
Approx. Length - 5.0 Miles

An on-site inspection was held on April 8, 1977 and all data collected over winter has been submitted to Helena.

F 91-1(1)0 — Engineer Unassigned
Big Timber - E & W
Signs, Traffic Control Devices

No information has been requested from the field to date.

F 171(16) — William F. Nimmons, FPM
Norris Hill — Phone: 586-5074 Bozeman
Length - 9.0 Miles — Estimated Completion Date: April 1978

The survey crew was transferred off this location survey on April 25, but no report has been received regarding the status of this survey.

HHS 370(26) — William F. Nimmons, FPM
Bridger Canyon — Phone: 586-5074 Bozeman
Approx. Length - 1.8 Miles

A public hearing was held on April 27, 1977.

S 478-1(1)0 — Ronald T. Hoyem, FPM
Big Timber - North & East — Phone: 932-3272 Big Timber
Approx. Length - 9.0 Miles — Estimated Completion DAte: 7-1-77
Survey Started: 5-28-74

A three-man survey crew has been working on the drainage surveys. The location survey as a whole is 91% complete.

RS 563-1(1)0 — Larry O. Williams, Designer II
Springdale - Hunters' Hot Springs — Phone: 586-9562 Bozeman
Approx. Length - 2.2 Miles — Estimated Completion Date: Unknown
Design Started: 5-2-77

The bridge situation survey has been completed and all location notes were turned into the Division Office on May 4, 1977. Design work to date has consisted primarily of reduction and checking on notes.

M 1201(1) — Thomas, Dean & Hoskins, Inc.
North 19th - Bozeman — Bozeman, Montana
Design
Approx. Length - 0.4 Mile

The report for the preliminary plan-in-hand inspection held April 20, 1977, has been written by Thomas, Dean and Hoskins, Inc.

M 1202(1) — Engineer Unassigned
Oak Street - Bozeman
Approx. Lenght - 0.8 Mile
Survey Started: 7-26-76

All information requested to date has been transmitted to Helena.

M 1212(1) Thomas, Dean & Hoskins, Inc
Kagy Lane - Bozeman
Design
Approx. Length - 1.1 Miles

The report for the preliminary plan-in-hand inspection held April 20, 1977, was written by Thomas, Dean & Hoskins, Inc.

SRS 4148(52) Engineer Unassigned
BN, Inc. Signals - Off-System
Oregon St. - Belgrade
Northwest of Springdale

All requested information has been submitted to Helena.

M 7403(1) Morrison-Maierle, Inc.
5th St., Park to Front - Livingston
Design
Approx. Length - 0.1 Mile

A planning report for this project was submitted by Morrison-Maierle, Inc. on April 19, 1977.

M 7404(1) Morrison-Maierle, Inc.
Front St., from Main to Cemetary - Livingston
Design
Approx. Length - 0.9 Mile

Morrison-Maierle, Inc. submitted a planning report for this project on April 19, 1977.

M 7406(1) Morrison-Maierle, Inc.
Main, Chinook & Gallatin - Livingston
Design
Approx. Length - 1.3 Miles

No word has been received from the consultant regarding this project.

M 7412(1) Morrison-Maierle, Inc.
Ninth St, Geyser St. to Bridge End -
Livingston
Design
Approx. Length - 0.3 Mile

A planning report was submitted by Morrison-Maierle, Inc. on April 17, 1977.

M 7412(2) Morrison-Maierle, Inc.
River Drive, from Ninth St. East - Livingston
Design
Approx. Length - 0.2 Mile

Morrison-Maierle, Inc. delivered a planning report for this project on April 19, 1977.

## C O N S T R U C T I O N

F 64-1(1)0 US 191 Big Sky Spur
Gravel Surf, Pl. Mix Surf.
Length - 3.0 Miles
Contract Awarded: 5-2-77
Contract Amount: $383,968.57
Proceed Order Date - 5-23-77
Work Not Started

Zook Brothers Construction Co.
Great Falls, Montana
Roger E. Blossom, PE, FPM
No Phone Big Sky
Contract Time - 60 Working Days
Probable Completion Date: --

This contract was awarded on May 2, 1977. To date no word has been received from the contractor regarding a preconstruction conference. At the present time a seven-man engineering crew is assigned to this project.

I 90-6(30)309, I 90-6(36)315 U-2
I 90-7(38)318
Rocky Canyon Safety, Bozeman Pass - West and Bozeman Pass - East(West Section)
Grade, Agg. Surf., Pl. Mix Base, Structure
Length - 7.0 Miles
Contract Awarded: 5-28-76
Contract Amount: $9,845,689.09
Proceed Order DAte: 6-22-76
Work Started: 7-6-76

Goodfellow Brothers, Inc.
Wenatchee, Washington
Richard W. Saltzman, FPM
Phone: 587-4186 Bozeman
Contract Time: 300 Working Days
Probable Completion Date: 1978

Progress has been fair with the contractor employing 36 men and working eight 8 hour shifts. Goodfellow Brothers, Inc. has been hauling material from the cut between Sta. 140 and 150 and placing it in the fill between Sta. 160 and 175. He has also been pioneering in Rocky Canyon Safety Area with some cleaning and grubbing operations in progress. The steelworkers are assembling the vehicular underpass at Sta. 265+75. Bozeman Sand & Gravel is continuing to haul 1½" Cr. Base to the frontage road right. Topsoil from between Sta. 17 and 30 is being stockpiled between Sta. 55 and 59. One hundred thousand C.Y. of unclassifed excavation was accomplished during the past two weeks, bringing the item to 60% complete. Seventy-four hundred tons of base course was placed, bringing this item to 7% complete. A sixteen-man engineering crew is currently assigned to this project which is 29% complete with 35% of the contract time elapsed. The contractor has 196 working days of contract time remaining.

I 90-7(36)321 U-1
Bozeman Pass - East(East Section)
Length - 5.6 Miles
Grading, Agg. Surf, Pl. Mix Bit. Base
Fencing, Signing, Structures
Dual 123.0' Steel & Conc. Overpass
Dual 78.0' Steel & Conc. Overpass
Contract Awarded: 8-27-75
Contract Amount: $5,703,449.81
Proceed Order Date: 9-18-75
Work Started: 9-15-75

Clark Brothers Contractors
Victor, Montana
George A. Sitton, Acting FPM
Phone: 222-1965 Livingston
Contract Time: 250 Working Days
Probable Completion Date: 11-1-77

Progress has been poor with the contractor employing between 15 to 23 men. Grading operations continued in the cross-over area near Sta. 361 and also at the connection at Sta. 613 W.B. 1½" gravel was being hauled to the eastbound rest area and between Sta. 339 and 365 on the eastbound and 541 to 565 on the eastbound. A lay-down of

3" aggregate was made between Sta. 505 to 565 E.B. The contractor is also building farm fence right of the frontage road "C" between Sta. 327 and 342. An eleven-man engineering crew is assigned to this project which is 78% complete with 63% of the contract time elapsed. The contractor has 103 working days of contract time remaining.

ROS 4144(52) U-2
Manhattan - Belgrade
Bridge End Guardrail
Length - 0.335 Mile
Contract Awarded: 2-24-77
Contract Amount: $34,016.70
Proceed Order Date: 4-18-77
Work Started: 4-11-77

Western Sign Corporation
Great Falls, Montana
Roger E. Blossom, PE, FPM
Phone: 586-5074 Bozeman
Contract Time: 40 Working Days
Probable Completion Date: --

There was no report at the time of this writing.

SMP 0499-77
Crush and Stockpile
Broadwater, Beaverhead & Gallatin Co.
Contract Awarded: 2-28-77
Contract Amount: $119,000.00
Proceed Order Date:
Work Started: 4-13-77 - Gallatin Co.

Jim Gilman Excavating, Inc.
Butte, Montana
Walter H. Deighton, Lab Supr 3
Phone: 586-9562 Bozeman
Contract Time: 65 Working Days

Crushing and stockpiling operations on the Grayling Creek site were completed on April 25. Only pit reclamation and seeding remains for completion of the project in this pit.

Respectfully,

Richard C. Holmes, PE, Supervisor
Division Construction Section

RCH:EJR:llm

cc: Gary A. Gilmore, PE, Division Traffic Engineer
Bozeman Division Lab
Bozeman Division Office

DEPARTMENT OF HIGHWAYS
GREAT FALLS, MONTANA
MAY 16, 1977

Department of Highways
Helena, Montana

Progress REport
Division 3130

Gentlemen:

Herewith is the Progress Report covering work accomplished in Division 3130 during the period May 3, 1977 thru May 16, 1977.

## GENERAL

Weather has been clear to overcast with temperatures ranging from $30^{o}$ to $75^{o}$ with some rain showers causing slight work slowdown.

## PRE-CONSTRUCTION

RF 25 (2) - Gt. Falls, Airport Access Rd.
Length: 0.7 miles - Cascade County
Design Started: June 2, 1975

R. Fransen - Designer II
Great Falls - Phone #452-2361
PRob. Comp. Date: Dec. 31, 1977

No work during this reporting period. Design Remains 46% complete.

F 64 (15) - Gt. Falls East
Length: 9.537 miles
Design Started: Sept. 7, 1976

R. Fransen - Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: Dec. 31, 1977

No work during this reporting period. Design remains 17% complete.

RS 77 (7) - Cascade - Ulm Loop
Location Surv ey
Length: 26.5 miles
Survey Started: January 12, 1976

F. Rooinson - Mgr. F.P.U.
Great Falls - Phone #453-2573
Completion Date: May 10, 1977

29 man-days used during this period Plotting Profile and Drawing Hardshell. The survey was completed using 1548 man-days. The Location Survey data will be forwarded to Preconstruction by first available transportation.

F 80-1 ( ) - Overlay
Fort Benton - Geraldine
Length: 9.5 miles
Design Started: March 7, 1977

R. Fransen - Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: April 29, 1977

No work during this reporting period. Design remains 50% complete.

Department of Highways

May 16, 1977

RS 220-1 (2) - Farmington - North
Length: 8.5 miles
Design Started: June 21, 1971

R. Fransen Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: July 31, 1977

Two men worked 12 days making P.I.H. changes. Design is 58% complete.

RS 220-1 (2) - Agawam - North
Length: 3.6 miles
Design Started: June 21, 1971

R. Fransen Designer II
Great Falls - Phone #452-2361
Prob. Comp. Date: July 31, 1977

Two men worked 13 days making P.I.H. changes. Design is 55% complete.

RF 236 (8) - Dupuyer No. & So.
Teton & Pondera Counties
Location Survey
Length: 20+ miles
Survey Started: Feb. 16, 1977

Tom Hammerbacker - Mgr. F.P.U.
Conrad - Phone #278-5412
Prob. Comp. Date: July 1977

Four man crew spent 37 man-days during period Running Centerline. Survey is 21% complete with 190 man-days used to date.

RF 238 (13) - Bowman's Corner - Augusta
Location Survey
Length: 14.8 miles
Survey Started: December 27, 1976

Harry Strong - Mgr. F.P.U.
Great Falls - Phone #452-2361
Prob. Comp. Date: June 30, 1977

47 man-days used during this period making Section Ties and Running Levels. Survey is 44% complete with 437 man-days used to date.

RS 348 (18) - 5 miles South of Fort Benton South
Location Survey
Length: 3.3 miles
Survey Started: February 18, 1976

G. Enderson - Mgr. F.P.U.
Great Falls - Phone #453-2573

Chouteau County Commissioners have removed this project from priority. Further work is in a hold pattern.

RS 565-1 (1) - Simms - North
Cascade & Teton Counties
Location Survey
Length: 1.1 miles
Survey Started: April 4, 1977

Harry C. Strong - Mgr. F.P.U.
Great Falls - Phone #452-2361
Prob. Comp. Date: May 20, 1977

7 man-days used during this reporting period Cross Sectioning, Taking Topog., Plotting Plan and Profile and Checking Field Notes. Survey is 75% complete with 75% complete with 75 man-days used to date.

Department of Highways

May 16, 1977

M 5201 (1) - 6th St. Great Falls
Part I - 100%
Part II - 100%
Route Location Study Report - 90%
Length: 1.3 miles - Cascade County
Design Started: Sept. 26, 1972

Jensen & Herberly - Consultants
Great Falls - PHone #453-5478

Part II (Station 40+65 to Station 68+00) Received signing reproducibles back for further corrections on March 3, 1977. Hand delivered construction and signing reproducibles with all corrections completed on April 5, 1977, thus completing Part II.

Route Location Study Report (68+00 to Central Avenue West) Received notification to complete the report on February 16, 1977. Requested funds to complete the report on February 23, 1977, since the last contract increase did not include funds to complete the report. Waiting for approval of funds before commencing work on the report.

M 5203 (1) - 3rd St. To Central Ave. West
Great Falls - Cascade County
Location Survey
Length: 0.5 miles
Survey Started: April 11, 1977

Frank Robinson - Mgr. F.P.U.
Great Falls - Phone #453-2573
Prob. Comp. Date: June 15, 1977

13 man-days were used Cross Sectioning and Taking Topog. Survey is 61% complete with 49 man-days used to date.

## CONSTRUCTION

I 15-3(28) 168 & I 15-4(48) 182
Traffic Control Devices & Guard Rail Revisions
Jefferson & Lewis & Clark Counties
Contract Awarded: June 30, 1976
FHWA Concurrence: July 1, 1976
Contract Amount: $1,048,319.90

Apex Construction Inc., Contractor
P. O. Box 11306
Spokane, Washington 99211
Walt Smith - Mgr. F.P.U.
Cascade - Phone #468-2801
Comp. Time: 150 Working Days
Prob. Comp. Date: Nov. 15, 1977

Progress has been good. Apex Construction: Removing and resetting guardrail Helena to Lincoln Inter. and Augusta Inter. to 2 mi. North Craig; setting sign poles through out the project. Bozeman Sand & Gravel: Completed guardrail shoulder widening, except cleanup and patching holes and Med. leveling on Helena Hill. Isoister: Building Conc. 10:1 Inlet grates and resetting Embankment Protectors. Items and percent complete are: Plantmix Bit. Gr. C, 90%; Sht. Alum. Refl. Sheet A, 35%; Post Structural Steel, 74%; Poles Barn 3 in., 125%; Guard Rail Posts, 114% and Reset Embankment Protector, 86%. The project as a whole is 80% complete with 64% of the contract time elapsed. Construction layout is 95% complete with a 4 man engineering crew engaged in layout, inspection and notes.

Department of Highways

May 16, 1977

I 15-5(64) 238 U-1 - Hardy Crk. Ramps
I 15-5(50) 239 U-1 - Cascade N. & S.(N.Sect.)
Add 2 Lanes
Cascade County
Length of Project: 2.9 miles
Contract Awarded: Feb. 28, 1977
FHWA Concurrence: Feb. 28, 1977
Amount of Contract: $459,725.41

Hilde Construction Company
P. O. Box 2287
Great Falls, Montana 59403
D. D. Moore - Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 100 Working Days
Prob. Comp. Date: Oct. 14, 1977

No progress during this reporting period. Hilde Construction plans to begin work first of August ±. Fencer, Swan and Son have moved off the project. Items and percent complete are: Move & Reset Fence, 40% and Fencing-Temporary, 50%. The project as a whole is 2% complete with 13% of the contract time elapsed. Construction layout is 90% complete with a 9 man engineering crew engaged in layout and other projects.

I 15-5(50) 239 U-2
Cascade North & South
1 Structure & Approaches on Add 2 Lanes
Cascade County
Contract Awarded: January 27, 1977
FHWA Concurrence: January 31, 1977
Work Started: February 24, 1977
Amount of Contract: $188,651.79

Cop Construction Company
P. O. Box 1938
Billings, Montana 59103
K. Minehan, Mgr. F.P.U. (Structure)
D. Moore, Mgr. F.P.U. (Approaches)
Great Falls - Phone #453-2573
Comp. Time: 110 working Days
Prob. Comp. Date: July 31, 1977

Structure - Progress has been fair, 5-8 men employed, backfilling,tieing re-steel, placing concrete and finishing concrete. Bent No. 1 is formed. Bent No. 2 is in place. Bent No. 3 is being formed. Bent No. 4 has pile driven. The structure is 17% complete with 16% of the contract time elapsed. Construction layout is 75% complete with a 3 man engineering crew engaged in layout, inspection and other projects. Approaches - No progress during this reporting period, subcontractors, Hilde & Clark moved off project March 17, 1977. Items and percent complete are: Exc. Uncl., 100%; Compaction-Roadbed, 100%; Haul, 100% and Move & Reset Fence, 100%. The approaches are 90% complete with 16% of the contract time elapsed. Construction layout is 100% complete with a 9 man engineering crew engaged in other projects.

I 15-5(50) 239 U-3
Cascade North & South
3 Structures & Approaches on Add 2 Lanes
Cascade County
Contract Awarded: July 30, 1976
FHWA Concurrence: July 30, 1976
Amount of Contract: $741, 639.13
Work Started: August 19, 1976

Cop Construction Company
P. O. Box 1938
Billings, Montana 59103
K. Minehan, Mgr. F.P.U. (Sturctures)
D. Moore, Mgr. F.P.U. (Approaches)
Great Falls - Phone #453-2573
Comp. Time: 150 Working DAys
Prob. Comp. Date: July 31, 1977

Structures - Progress has been fair. There were 5-10 men employed forming curbs, placing re-steel, placing concrete, stripping deck and finishing concrete. Structure 1842: Deck is in place curbs are being formed. Structure 2095: All concrete in place, and cleanup remains. Stripping of deck bottom now in progress. Structure 301: Deck has been formed with re-steel is in place. Deck should be placed the last of month when deck machine returns. Structures are 76% complete with 53% of the contract time elapsed. Construction layout is 90% complete with a 3 man engineering crew engaged in layout , inspection and testing.

Approaches - No progress during this reporting period. No work by subcontractor, Kraus Construction Company the past two weeks. Mr. Kraus statedthey plan to resume work May 16, 1977, weather permitting. Items and percent complete are: Exc. Uncl., 90%; Compaction-Roadbed, 90% and Haul, 90%. The project as a whole is 75% complete with 53% of the contract time elapsed. Construction layout is 100% complete with a 9 man engineering crew engaged in other projects.

BRF - TQX 218 (18)
Repair Fire Damage (10-14-75)
S.B. Bridge - Sun River - Gt. Falls
Cascade County
Contract Awarded: July 30, 1976
FHWA Concurrence: July 30, 1976
Amount of Contract: $329,654.68
Work Started: August 20, 1976

Frontier Construction Company
P. O. Box 1242
Missoula, Montana 59801
T. Tomich, Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 130 Working Days
Prob. Comp. Date: June 15, 1977

Progress was fair. Seeding of the detour has been completed by the contractor. The contractor plans to move in sometime after May 15, 1977, to complete all clean up and remaining work. Items and their percentages of completion are: Repair structure, 98%; Detour and Maintain, 100%; Work bridge,95%; with the other items 100%. The layout is 99% complete with a two man engineering crew engaged in this and other projects.

I 15-6(20) 304 - Teton River-N.&S.(S.Sect.)
4.3 miles Grading, Surfacing & Structures
Teton County
Contract Awarded: March 2, 1976
Contract Amount: $4, 028,676.22
Work Started: April 1, 1976

Hilde & Maronick Const. Co.(Jv) Contr.
East Helena, Montana
S. Newton, Mgr. F.P.U. (Road)
K. MInehan, Mgr. F.P.U. (Structure)
Brady - Phone #753-2581
Comp. Time: 275 Working Days
Prob. Comp. Date: July 30, 1977

Roadway - Progress has been good. Contractor completed all crushing operations, placed and layed 1½" Crushed Base Surf., placing and laying 3/4" Crushed Top Surf. "A" and "B", Producing and placing 1½ Plant Mix Bituminus Base. Items and percent complete are: 1½" PMBB, 70%; 1½" CBS; 99% and 3/4" CTS, 88%. The project as a whole is 82% complete with 45% of the contract time elapsed. Construction layout is 91% complete with a 16-22 man engineering crew engaged in layout, testing, and inspection. Structures - Progress has been good. Teton River Structures: Bridge rail is ready for painters, installing Elactomeric Expansion Joint. Separation at Sta. 788: Finished forming and placed concrete for curbs, stripping deck forms and finishing concrete. Structures are 89% complete. Construction layout is 100% complete with a 2 man engineering crew engaged in layout testing and inspection.

I 15-6(21) 304 - Teton River - N.& S.(S.Sect.)
Dual Rest Area, Lighting & Related Items
Teton County
Contract Awarded: April 5, 1977
Contract Amount: $323,589.40

Sletten Construction Company
Great Falls
S. Newton, Mgr. F.P.U.
Brady - Phone 753-2581
Comp. Time: 175 Working Days

Preconstruction Conference was held in Great Falls Division, May 10, 1977. Contractor plans to start work on or about May 17, 1977. Notice to contractor to proceed being dated April 28, 1977.

I 15-6(16) 308 - Teton River - N.& S.(N.Sect.)
2.8 miles, Gr.; Aggr. Surf.; Pl.Mix Bit. Base
Pl. Mix Bit. Surf.; Signing;
Prestressed Conc. Grider Gr. Separation
Teton County
Contract Awarded: July 28, 1975
Contract Amount: $2,070,763.97
Work Started: September 9, 1975

Hilde & Maronick Const. Co., (Jv) Contr.
East Helena, Montana
S. Newton, Mgr. F.P.U. (Road)
K. Minehan, Mgr. F.P.U. (Structure)
Brady - Phoqe #753-2581
Comp. Time: 180 Working Days
Prob. Comp. Date: June 30, 1977

Roadway - Progress has been poor. Contractor placed all sign items possible until roadway is opened to traffic. Excavation, painting and grading for cattle guards at Collins Ramps also, patching plant mix.Items and percent complete are: Signing Items, 90% and Cattle Guards, 35%. The project as a whole is 97% complete with 93% of the contract time elapsed. Construction layout is 96% complete with a 1-3 man engineering crew engaged in layout and inspection.
Structures - Final inspection was made November 23, 1976. Supporting data was submitted to Division office January 28, 1977. This portion of project is 100% complete with a 2 man engineering crew engaged in other assignments.

I 15-6(14) 311 & I 15-7(11) 312
Pershing South and Brady - No. & So.
11.5 miles Gr., Aggr. Surf., Pl. Mix Bit.
Base, Pl. Mix Bit. Surf., Lengthen 2
Add 2 Lanes - Teton & Pondera Counties
Contract Awarded: June 5, 1975
Contract Amount: $3,754,385.95
Work Started: July 16, 1975

Hilde & Maronick Const. Co. (Jv) Contr.
East Helena, Montana
S. Newton, Mgr. F.P.U. (Road)
K. Minehan, Mgr. F.P.U. (Structure)
Brady - Phone #753-2581
Comp. Time: 240 Working Days
Prob. Comp. Date: May 30, 1977

Roadway - Progress has been good. Contractor has completed patching roadway, sign post painting and irrigation turnouts painting. All items are complete as of May 6, 1977 awaiting Final Inspection. The project as a whole is 100% complete with 90% of the contract time elapsed. Construction layout is 100% complete with a one man engineering crew engaged in compiling notes and supporting data.
Structures - Structures are 100% complete, with a 2 man engineering crew engaged in other assignments. The supporting data was submitted to Division office January 24, 1977.

I 15-7(18) 330
E. Frtg. Rd. - Valier Jct. No. & So.
Pondera County
13.84 miles, Grading, Agg. Surf.,
Pl. Mix Bit. Base, Seal and Cover
Contract Awarded: Nov. 3, 1976
Contract Amount: $1,219,920.50

McIntyre Const. Co. & S. Birch Inc. (Jv)
Great Falls, Montana
Tom Hammerbacker, Mgr. F.P.U.
Conrad - Phone #278-5412
Prob. Comp. Date: August 1977
Comp. Time: 140 Working Days

Progress has been good. Contractor building grade from Sta. 73+00 to Sta. 129+00. Scrapers stripping topsoil from Sta. 6+00 to Sta. 41+00. Also draglining by railroad tracks. Gravel crew stockpiling and producing ½" Plant Mix Base Agg. Contractors split the pile for plant mix agg. May 5, 1977. Pipe crew installing extensions and approach pipes. Items and percent complete are: Grader-Motor, 33%; Scraper, 40% and Scraper (14 Cu. Yds.), 31%. The project as a whole is 10% complete with 15% of the contract time elapsed. Construction layout is 97% complete with a 4 man engineering crew engaged in testing, inspection and notes.

RS - 434 (3)
Conrad - West
Pondera County
2.3 miles of Grading, Graveling & Surfacing
Contract Awarded: JUne 30, 1976
Contract Amount: $877,194.60

Hilde Construction, Inc. Contr.
P. O. Box 2287, Gt. Falls, Mt. 59403
Tom Hammerbacker, Mgr. F.P.U.
Conrad - Phone #278-5412
P. O. Box 1301, Conrad, Mt. 59425
Comp. Time: 110 Working Days
Prob. Comp. Date: July 1, 1977

Progress has been good. Subcontractor Sandon Construction pouring sidewalk Sta. 20+80 Lt. Side to Sta. 26+25 Rt. Side. A four man crew is backfilling the sidewalk. Items and percent complete are: Sidewalk-Concrete 4 in., 68%; Sidewalk-concrete 6 in., 62%; Traffic Control, 24% and Head Gate-Metal 12 in., 100%. The project as a whole is 96% complete with 78% of the contract time elapsed. Construction layout is 100% complete with a 2 man engineering crew engaged in testing and inspection.

ROS 4144 (52) U-7
6th St. S.W. Under pass - Gt. Falls
Cascade County
Contract Awarded: May 2, 1977
Contract Amount: $19,167.50

Rehbein Contracting Inc.
P. O. Box 339, Plains,Montana
Frank Robinson, Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 30 Days

Preconstruction Conference has not yet been scheduled. Notice to proceed effective May 23, 1977.

ROS 4144 (52) U-8
Warden Brdg. - 2nd St. Approach to 10th Ave. So.
Gt. Falls - Cascade County
Contract Awarded: May 2, 1977
Contract Amount: $12,547.00

Western Sign Corp.
P. O. Box 2669, Gt. Falls, Montana
Frank Robinson, Mgr. F.P.U.
Gt. Falls - Phone #453-2573
Comp. Time: 30 Working Days

Preconstruction Conference has not yet been scheduled. Notice to proceed effective May 23, 1977.

SMP 5099-77
Maintenance
Cascade, Chouteau, Lewis & Clark &
Teton Counties
Contract Awarded: Feb. 28, 1977
Contract Amount: $195,450.00

Mortensen Construction Company
P. O. Box 1626, Gt. Falls, Mt. 59403
Glen Enderson, Mgr. F.P.U.
Great Falls - Phone #453-2573
Comp. Time: 100 Working Days
Prob. Comp. Date: July 1, 1977

Progress has been poor. Mortenson Construction Company began producing and stock-piling 1/2" Gr.4"A" Top Surfacing from Pit No. 0740-55 at Fort Shaw on May 9, 1977. Items and percent complete are: Haul Aggregate, 1% and Stkpl. Top Surf. 1/2 In., 3%. The project as a whole is 2% complete with 17% of the contract time elapsed. Construction layout is N/A% complete with a 2 man engineering crew engaged in testing and notes.

James T. Sullivan - P.E. -
Supvr. - Division Construction Section

JTS/MRB/ac

STATE OF MONTANA - DEPARTMENT OF HIGHWAYS
HAVRE, MONTANA

May 13, 1977

State of Montana - Department of Highways
Helena, Montana

Gentlemen:

Following please find Division 3230 progress report for the period ending May 13, 1977.

## G E N E R A L

The weather this past reporting period has been generally favorable with some rain showers. The temperatures have ranged from +20° to 82°.

## P R E C O N S T R U C T I O N

RS 12 (20), Turner-Canadian Line
11.0 miles, Blaine County
Preliminary Engineering

L. D. Nelson, E. O. 1
Havre, Montana
Telephone No. 265-6821

No work on this project during the past reporting period. Design as a whole is 10% complete with 20 man days used to date.

RS-133 (2) Havre-North
10.0 miles, Secondary Rte. 233
Location Survey

L. D. Nelson, E. O. 1
Havre, Montana
Telephone No. 265-6821

No work on this project the past reporting period. Design as a whole is 40% complete.

RS 357 (12) Valier-East
7.2 miles, Pondera County
Location Survey

James A. Dolan, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022

There has been no work on the survey the past reporting period. All work was suspended on March 4, 1977 due to working on other projects. Centerline and bench levels are 100% complete, topography is 91% complete, check levels are 90% complete and cross-sections are 79% complete. A total of 229½ man days have been worked to date and the location is 57% complete.

RS 459 (1) Sunburst-East
10.0 miles, Toole County
Preliminary Engineering

Hugh Klepzig, Fld. Proj. Mgr.
East Glacier, Montana
Telephone No. 226-5811

No work on this project this reporting period. The survey was suspended on March 7, 1975. The assigned engineering crew is working on other projects.

## C O N S T R U C T I O N

RS-12 (19) Harlem-Turner
Canadian Line
6.8 miles , Blaine County
Grade, gravel surf., and
pl. mix bit. base
Contract Let: 6/10/76
Contract Amount: $811,910.99
Work Started: 7/23/76

Gus M. Albert
Miles City, Montana
George Nelson, Fld. Proj. Mgr.
Harlem, Montana
Telephone No. 353-2341
Contract Time: 140 working days
Probable Completion Date: 6/10/77

Progress this past period was good. 7,671 tons of 1" P.M.B.B. was placed for a total to date of 22,742 tons, or 100% complete. All signs and delineators were placed for 100% complete. All other items are 100% complete except for seal and cover and striping. The project as a whole is 88% complete with 71% of the contract time elapsed. Four to six engineering personnel are engaged on the project.

U-95 (17) Gildford-Havre-East
U. S. 2 - Havre-Hill County
1.3 mi. grade, gravel, pl. mix surf.,
and stm. sewer
Contract Let: 3/1/76
Contract Amount: $1,434,327.32
Work Started: 4/5/76

Baltrusch Construction Co., and
Affiliates, Havre, Montana
Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821
Contract Time: 160 working days
Probable Completion Date: 7/1/77

Progress has been fair. The prime contractor worked ten 8 hr. shifts with up to 40 men employed. Excavation of the intersection on 7th Ave. began 5/12/77. Street excavation is 90% complete. 4,200 tons of 1½" crushed base was placed on the street from Sta. 543 to Sta. 550 making this item 82% complete. Lift 2 of 2 plant mix operations began 5/12/77. This item is 40% complete to date. The subcontractor, Lockrem Construction Co., has been installing drop inlets. The drainage structures as a whole are 90% complete. Another subcontractor, Randolph Construction Co. has been forming curbs and placing concrete sidewalks. The curbs are 80% complete and the sidewalks 65% complete to date. Seeding and fertilizing operations began 5/10/77. This item is 75% complete. The project as a whole is 67% complete with 87% of the contract time elapsed. A six man engineering crew is assigned to inspection and construction layout.

RF 132 (13), Joplin-West
6.154 miles grade, gravel surf.,
and pl. mix surf.
Contract Let: 5/15/75
Contract Amount: $1,758,756.12
Work Started: 9/24/75

Meyer Construction Company
Billings, Montana
Hugh Klepzig, Fld. Proj. Mgr.
East Glacier Park, Montana
Telephone No. 226-5811
Completion Date: 10/15/76

One to two men worked 12 man days on checking final quantities and supporting data. Checking

RF 132 (13), Joplin-West (continued)

final estimate and supporting data is 90% complete and the estimated submittal date is May 20, 1977.

RF-62 (14), & RF-132 (14)
Shelby-Chester, Chester-West
5.36 mile grade, aggr. surf.
Surf. storm sewer, signing & lighting
Contract Let: 12/18/75
Contract Amount: $1,849,676.03
Work Started: 3/26/76

Baltrusch Construction Co., &
Affiliates, Havre, Montana
Al Ullrich, Fld. Proj. Mgr.
Chester, Montana
Telephone No. 759-5329
Contract Time: 200 working days
Probable Completion Date: 6/1/77.

Progress has been good. The contractors worked ten 8 to 10 hr. shifts with up to 25 to 35 men employed. The subcontractor, Gurney General Contractors, moved on the job to do the striping and signing on May 2, 1977. Striping is 100% complete and signing is 58% complete. All other items are 100% complete except final cleanup and finishing which is 95% complete. The project as a whole is 96% complete with 76% of the contract time elapsed. A six man engineering crew is inspecting the project.

I-IG 15-8 (25) 379
Sunburst-Canadian Line
Sweetgrass South-Sunburst South
Gr. agg. surf., pl. mix
Bit. base pl. mix bit.
Surf. structures, safety
Correction & pl. mix overlay
19.1 miles - Toole County
Contract Let: 5/27/76
Contract Amount: $4,388,263.28
Work Started: 7/29/76

Hilde Construction Co., Inc. &
Maronick Construction Co.,Inc. (J.V.)
East Helena, Montana
Harold D. Kelly, Fld. Proj. Mgr.
Sunburst, Montana
Telephone No. 937-7111
Structures:
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 215 working days
Probable Completion Date: 9/30/77

STRUCTURES:
Progress has been good. The subcontractor, Sletten Construction Co., worked eight 8 hr. shifts and two 10 hr. shifts with up to 14 men employed. The subcontractor is presently stripping span 3 on deck at Sta. 1419 (Sunburst Interchange), and forming curbs. The deck has been poured at Sta. 1439 (Railroad structure). The prime contractor has put in both end fills on the McVey Interchange. Bents No. 1 thru 5 have been layed out again. Structure excavation started on 5/9/77. The subcontract as a whole is 69% complete. A 1 to 3 man engineering crew is engaged in inspection of the project.
ROADWAY:
Progress has been good. The contractor worked eighteen 9 hr. and two 5 hr. shifts employing 60 men. 209,661 Cu. Yd. Exc. Uncl. was placed between Sta. 1640 to Sta. 1760 making Emb. + and related items 80% complete. Drainage items remain 85% complete. The subcontractor, Clark and Son, did not work this period. Fencing items remain 81% complete and seeding and related items remain 21% complete. The contract as a whole is 47% complete, with 51% of the contract time elapsed. An 8 to 13 man engineering crew is inspecting contractor's operations and miscellaneous survey work.

UTILITIES:
Burlington Northern RR did not work this period. Their revisions remain 55% complete.

I-15-8 (28) 343 Unit 1
Toole County Line-North
8.33 miles grade, aggr. surf.,
pl. mix base, weigh station
and structures
Contract Let: 2/28/75
Contract Amount: $2,890,398.06
Work Started: 5/1/75

Hilde Construction Co., Inc. and
Maronick Construction Co., Inc. (JV)
Great Falls, Montana 59403
James A. Dolan, Fld. Proj. Mgr.
Shelby, Montana
Structures:
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 230 working days
Probable Completion Date: 5/30/77

Progress has been good. The contractor worked one 9 hr. shift per day with up to 12 men employed. Applied the 1st application of MC-800 and cover material to the left frontage road. The subcontractor, Swan and Son, worked one 9 hr. shift per day with 6 men employed and fencing as a whole is 92% complete. The subcontractor, Utility Builders, worked one 9 to 10 hr. shift per day with up to 7 men employed placing ditch liner which is 80% complete. A 9 man engineering crew is engaged in project inspection and miscellaneous staking. The project as a whole is 98% complete with 95% of the contract time elapsed.

I-15-8 (28) 343 U-2
Toole County Line North
1-Prestressed conc. girder underpass
& dual prestressed overpass
Contract Let: 4/4/75
Contract Amount: $471,462.28
Work Started: 8/18/75.

Sletten Construction Company
Great Falls, Montana
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 150 working days
Completion Date: 9/2/76.

No work on this project. Work on the final estimate will continue as time permits. Engineering personnel are engaged on other projects.

I-15-8 (28) 343 Unit 3
Toole County Line-North
Dual 481.5' prestressed
Girder Bridge and Emb. Approaches
Contract Let: 8/15/74
Contract Amount: $1,487,575.18
Work Started: 10/11/74

Meyer Construction Company
Billings, Montana
Glen E. Brown, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 235 working days
Completion Date: 10/30/76

No work on this project. Work on the final estimate will continue as time permits. Engineering personnel are engaged on other projects.

I-15-8 (33) 343
Toole County Line-North
8.314 mi. agg. surf.,
pl. mix bit surf. & signing
Contract Let: 10/28/76
Contract Amount: $2,176,268.12
Work not started.

Empire Sand & Gravel Construction Co.
Billings, Montana 59103
James A. Dolan, Fld. Proj. Mgr.
Shelby, Montana
Telephone No. 434-2022
Contract Time: 180 working days
Probable completion date: 11/15/77.

There has been no work by the contractor to date. A 5 man engineering crew worked 3 days setting control points, running centerline and 1 man in the office on gravel spreads. The project as a whole is 0% complete with 9% of the contract time elapsed.

RF-FLH 353 (15)
Two Medicine Bridge-East
5.7 mi. Glacier County
Grade, aggr. surf., pl. mix base,
pl. mix surf., fence & sign
Contract Let: 9/30/76
Contract Amount: $2,476,655.06
Work started: 4/28/77

Hilde Construction Co., Inc.
Great Falls, Montana
Hugh Klepzig, Fld. Proj. Mgr.
East Glacier Park, Montana
Telephone No. 226-5811
Contract Time: 170 working days
Probable Completion date: 11/15/77

Progress has been fair. The contractor worked ten 9 hr. shifts with 3 to 4 employees installing drain pipe. The project as a whole is .06% complete with 10% of the contract time elapsed. A two man engineering crew is engaged in inspecting contractors operations and doing miscellaneous office work.

The Mountain States Telephone Company started their line revisions on 5/10/77 with a five man crew. They started installing poles at Sta. 337 and have installed 20 poles to date.

TQS-464-1 (2) 19 U-1
Browning-Babb (Duck Lake Road)
Structures & Approaches
0.2 mi. Glacier County
Contract Let: 1/27/77
Contract Amount: $127,436.90
Work Started: 4/26/77

E. F. Matelich Construction Co.,
Kalispell, Montana
Albert Bonner, Fld. Proj. Mgr.
Browning, Montana
Contract Time: 90 working days
Probable Completion Date: 8/31/77

Progress has been poor. The subcontractor, Evansen, worked four 8 hr. shifts with 3 men employed. The channel has been excavated to plan grade. Steel piling, reinforcing steel, bridge rail, and the pile driving hammer are on the project. The project as a whole is 2% complete with 22% of contract time elapsed. A two man engineering crew is engaged in construction inspection and layout.

TQS-464-1 (2) 19 U-2
Browning-Babb (Duck Lake Road)
5.3 miles Glacier County
Grade, gravel, & pl. mix base
Contract not let

Hugh Klepzig, Fld. Proj. Mgr.
East Glacier Park, Montana
Telephone No. 226-5911

No work by the utility companies this period. No word has been received from Treasure State Telephone Co. as to when they will begin their revision. A 5 person engineering crew is referencing and running R/W line.

HHS 1-6 (1) 384
U. S. 2 East of Havre
Intersection Improvement
Grade, aggr. surf., pl. mix
Bit. Surf.
0.325 mi. Hill County
Contract Let: 12/16/76
Contract Amount: $84,728.80
Work Started: 4/11/77

Baltrusch Construction Inc. & Aff.
Havre, Montana
Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821
Contract Time: 30 working days
Probable Completion Date: 6/15/77

Progress has been fair. The contractor worked ten 8 hr. shifts with up to ten men employed. Majority of the contractor's work schedule this reporting period has been the hauling of 2,500 tons of 1½" crushed base to the project, making this item 70% complete. All drainage items are 100% complete. The unclassified excavation is 95% complete to date. The project as a whole is 40% complete with 60% of the contract time elapsed. A two man engineering crew is assigned to inspection and construction layout.

F-1-6 (2) 382
U.S. 2 - Havre (E. Section)
1.9 miles, Hill County
Grade, gravel surf., pl. mix surf.,
and storm sewer
Contract not let

Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821

The Montana Power Co. is relocating gas lines. This utility item is 35% complete. One man is assigned to inspection and layout. The centerline and R/W layout is 75% complete. The staking is 50% complete and construction layout as a whole is 10% complete.

SMP 5199-77
Various Roads
Crush & Stockpile
Blaine, Glacier, Pondera
and Toole Counties
Contract Let: 1/27/77
Contract Amount: $98,070.00
Work Started: 2/24/77.

Hilde Construction Co., Inc.
Great Falls, Montana
William Neely, Lab. Supv. III
Havre, Montana
Telephone No. 265-6821
Contract Time: 55 working days
Completion Date: 4/22/77.

The contractor completed seeding and fertilizing gravel pit sites on 4/22/77. The final estimate will be submitted to the Construction Bureau approximately 5/20/77.

ROS 4144 (52) U-3 &
ROS 4144 (52) U-10
Havre-Simpson and
Fort Benton-Big Sandy
Bridge and Guardrail
0.149 miles
Hill & Chouteau Counties
Contract Let: 2/24/77
Contract Amount: $22,750.40
Work started: 4/25/77.

Western Sign Corporation
Great Falls, Montana
Samuel Hatty, Fld. Proj. Mgr.
Havre, Montana
Telephone No. 265-6821
Contract Time: 30 working days
Probable Completion Date: 6/1/77.

The contractor began work on U-10 portion of the contract 4/25/77 and completed this section

ROS 4144 (52) U-3 & (Continued)
ROS 4144 (52) U-10

5/5/77. The progress has been good. The contractor worked four 9 hr. shifts with up to 9 men employed. A suspension of contract time was given at the close of work 5/5/77 because of the unavailability of guard rail material from the manufactor for U-3 portion of the contract. The project as a whole is 75% complete with 30% of the contract time elapsed. One man is assigned to inspection and layout.

Respectfully submitted,

Hazen D. Flickinger

Hazen D. Flickinger, P. E. Supervisor
Division Construction Section - Havre

HDF/JL/mh

DIVISION OFFICE
GLENDIVE, MONTANA
MAY 12, 1977

DEPARTMENT OF HIGHWAYS
Helena, Montana

PROGRESS REPORT
Division 4130

Herewith is the Construction News Letter for the period ending May 10, 1977.

## GENERAL

Progress throughout the Division has been good. The weather was mostly fair. Temperatures ranged from +40 degrees to +95 degrees.

## PRECONSTRUCTION

M-5002(1)
Merrill Avenue to North Anderson
Glendive - Dawson County

David A. McCloy, Field. Proj. Mgr.
Glendive, Montana - Phone 365-5296
Est. Comp. Date - June 1, 1977

Five mandays were used during the past period checking the plotting of the topog on the hardshell and reviewing the profile and hydraulic No. 1 form. Engineering layout is 100% complete with 148 mandays used to date. This is the final report on this project.

F-25-1(1) CIRCLE-NORTH
Survey Authorized - March 16, 1977
Length - 8.4 Miles

Unassigned

Work will begin when personnel are available.

F-RF-245(12), SAVAGE - CRANE
Length - 8.0± Miles
Survey Started - December 11, 1972

David A. McCloy, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-5296
Est. Comp. Date - May 1, 1978

No work on this project during the past period. Fly line, centerline, bench levels and cross sections are 100% complete. Plotting plan and profile are 99% complete; irrigation and drainage items are 99% complete; and section ties are 99% complete. This survey remains 99% complete with 785 mandays used to date.

RF-325(9), SIDNEY - FAIRVIEW
Length - 11.6± Miles
Reconnaissance Survey

David A. McCloy, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-5296

No work done on this project during the past period. The survey as a whole is estimated to be 25% complete with 399 mandays used to date.

S-201-2(1)39, PRESSERVILLE - FAIRVIEW
Length - 6.0 Miles
Survey Authorized - Dec. 23, 1969
Survey Started - February 8, 1971
Survey Completed - April 6, 1971

Gerald L. Kuester, Designer II
Glendive, Montana - Phone 365-5296
Design Started - July 1, 1971
Estimated Design Com. - Dec. 31, 1978

Design of this project remains 11% complete with 25 mandays used to date.

PROGRESS REPORT

PRECONSTRUCTION

RS-252-1(1), CIRCLE - NORTHWEST
Survey Authorized - March 20, 1974
Survey Started - September 17, 1975
Length - 10.524 Miles

H. D. Kelly, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-2877
Est. Comp. Date - April 30, 1978

Survey was suspended March 1, 1976 with 416.5 mandays used to date. This survey is approximately 47% complete.

RS-253-2(1)36, BROCKWAY - SOUTH
Length - 9.9 Miles
Survey Authorized - March 20, 1975

Unassigned

Work will begin when personnel are available. A public hearing was held on Aug. 10, 1976.

RS-261-1(2), WIBAUX - NORTH
Length - 4.8 Miles
Survey Authorized - Dec. 28, 1976

Unassigned

Work will begin when personnel are available.

S-323-1(1)27, ALZADA - EKALAKA
Length - 18.4 Miles
Survey Authorized - March 4, 1970

Unassigned

Targets were set and aerial photographs taken. A four man crew began work on photogrammetric ground control October 25, 1976. Eighty-eight mandays used to date. Work has been suspended until personnel are available.

S-335-1(1)2, 2ND SECTION, MARSH - GLENDIVE
Length - 7.0 Miles
Survey Authorized - February 23, 1973
Design Started - March 26, 1976

Gerald L. Kuester, Designer II
Glendive, Montana - Phone 365-5296
Survey Comp. Date - February 20, 1975
Est. Design Comp. Date - Aug. 30, 1977

No work on this project during the past period. Plans were sent to Helena for P.I.H. prints on May 4, 1977. Design is 50% complete with 105½ mandays used to date.

CONSTRUCTION

I-IG-94-5(14)181, FALLON - DAWSON COUNTY LINE
I-94-5(17)165, POWDER RIVER RAMPS
I-94-5(18)174, TERRY - FALLON SAFETY
Length - 13.2 Miles
Grade, Agg. Surf., Plant Mix Surf.,
Signing and Structures
Contract Awarded - March 31, 1976
Amount of Contract - $5,750,377.63
Work Started - April 12, 1976

Joe Mayo & Son, Inc.
Box 310, Cavalier, No. Dakota 58220
H. D. Kelly, Fld. Proj. Mgr. - Roadway
C. H. Neiffer, Fld. Proj. Mgr. - Str.
Glendive, Montana - Phone 365-5296
Contract Time - 260 Working Days
Prob. Comp. Date - November 30, 1977

I-IG-94-5(14)181 Cont....

Progress this past period has been fair. Prime contractor, Joe Mayo and Son, Inc., employed 57 men for ten 9-hour shifts, hauling and placing 124,678 cu. yds. of Uncl. Exc. and 90,146 cu. yds. of Unclassified Borrow making the grading items approximately 95% complete, installed 314 feet of 12" CSP, 598 feet of 24" CSP, 171 feet of 30" CSP, 120 feet of 36" CSP, 110 feet of 30" CSP Syphon and 147 feet of 29" CSP Arch making the culvert items approximately 65% complete. The work above was mostly accomplished on the Fallon-Dawson County Line portion of the contract except 15,503 cu. yds. of Unclassified Excavation on the Powder River Interchange portion of the contract. The bulk of the grading and drainage items on this portion of the contract are now complete with finish operations now underway. Sub-contractor Swan and Son, Inc., employed 4 men for five 8-hour shifts forming, pouring and placing the steel on the remaining 2 cattle guards. The structure sub-contractor Swingen Construction Co. employed 16 men for nine 8-hour and one 4-hour shifts removing superstructure forms on the eastbound bridge over the BNRR and the forming of the superstructure on the westbound bridge which is now about 60% complete. Project as a whole is 70% complete with 153 working days or 58% of the contract time elapsed. Construction layout remains 91% complete with 9 engineers and 6 inspectors or testers employed this past period.

I-94-5(15)183 UNIT 2
FALLON - DAWSON COUNTY LINE
Fabrication and Erection of Structural Steel
Contract Awarded - March 31, 1975
Amount of Contract - $3,344,000.00
Work Started - September 22, 1975

Pittsburgh Des Moines Steel Co.
1015 Tuttle St., Des Moines, Iowa
A. J. Kuntz, Field Project Manager
Glendive, Montana - Phone 365-5296
Contract Time - 130 Working Days
Prob. Comp. Date - May 31, 1977

No work in progress this past period. The only work remaining is the backfilling of side anchor on Fish and Game Land, seeding of three side anchor areas and some minor repair of bruises and chips in concrete units. No word has been received from the contractor as to when this work will be completed. Project remains 99.9% complete with 74 working days used or 57% of the contract time elapsed. Final estimate and supporting data is 99% complete and the completed portion has been checked in the Division office.

I-94-5(15)183 UNIT 3
FALLON - DAWSON COUNTY LINE
Completing Superstructure on Dual Bridges
Contract Awarded - Jan. 27, 1977
Amount of Contract - $1,005,548.41
Work Started - April 21, 1977

Weyher Construction Company
P. O. Box 628, Salt Lake City, UT 84110
A. J. Kuntz, Fld. Proj. Manager
Glendive, Montana - Phone 365-5296
Prob. Comp. Date - June 1, 1978

Progress during this past period has been good. Ten 8-hour shifts were worked with 6 to 12 men employed. Reinforcing steel was all tied in place for backwall of Bent No. 1 EBL and partially for backwalls of Bent No. 7 EBL and Bent No. 1 WBL. Placement of BD Concrete was started on 5-9-77 with the backwall of Bent No. 1 EBL being poured. Deck forms were placed for Spans No. 1 and 2 of the EBL making the erection of deck forms for this lane 25% complete. Project as a whole is 0.5% complete with 17 working days used or 11% of the contract time elapsed. Construction layout is 11% complete with one engineer and two testers or aids part time.

PROGRESS REPORT CONSTRUCTION

I-LSI-94-6(27)192
BAD ROUTE REST AREA
Single Rest Area & Landscaping
Contract Awarded - June 24, 1974
Amount of Contract - $187,685.20
Work Started - August 7, 1974

Rainmaker, Inc.
1831 Main, Billings, Montana 59101
H. D. Kelly, Fld. Proj. Mgr.
Glendive, Montana - Phone 365-2877
Contract Time - 120 Calendar Days
Prob. Comp. Date - June 16, 1977

Contractor Rainmaker Inc. returned to the project on April 29, 1977 and replaced the 35 various shrubs and trees that needed to be replaced with the acceptable substitutes. The project is now 100% complete with 100% of the contract time elapsed and the acceptance date is expected to be June 10, 1977. The final notes and white prints have been checked in the Division office.

I-94-6(23)202, GLENDIVE - WEST
I-94-6(28)209, GLENDIVE - EAST AND WEST
Length - 14.1 Miles
Grade, Drain, Agg. Surf., Plant Mix Surf.
Signing, Guard Rail and Structures
Contract Awarded - July 10, 1975
Amount of Contract - $4,665,317.65
Work Started - August 4, 1975

Joe Mayo & Son, Inc.
Box 310, Cavalier, N. Dakota 58220
Dennis C. Tenney, Fld. Proj. Mgr. - Rdwy.
Ken Quale, Fld. Proj. Mgr. - Structures
Glendive, Montana - Phone 365-2877
Contract Time - 240 Working Days
Prob. Comp. Date - Oct. 1, 1977

Prime Contractor Joe Mayo & Sons, Inc. employed 23 men this past period working five 8-hour shifts and one 9-hour shift producing and placing 1876 tons of 1" Type III Plant Mix on W-2,3 and 4 ramps and P-line, also in culvert bottoms for cattle passes at Sta. 2993+88, 3050+85 and 3119+50. Contractor also placing Bituminous Curb, Station markers and R/W monuments at various locations throughout the project. The project as a whole is estimated at 98% complete with 215 of the 243 days used for 88% of the contract time elapsed. Construction layout with 0 to 3 men in field and 2 men in office and 4 testers is estimated at 98% complete.

I-94-6(29)226 UNIT 1
GLENDIVE - WIBAUX CO. LINE WEST(EAST SECTION)
Length - 6.339 Miles
Grade and Structures
Contract Awarded - October 1, 1976
Amount of Contract - $1,619,125.62
Work Started - November 22, 1976

Joe Mayo & Son, Inc.
Box 310, Cavalier, N. Dakota 58220
David A. McCloy, Fld. Proj. Mgr. - Rdwy
Ken Quale, Fld. Proj. Mgr. - Structures
Glendive, Montana - Phone 365-5296
Contract Time - 160 Working Days
Prob. Comp. Date - November 1, 1977

I-94-6(29)226 UNIT 1 Cont.....

Progress during the past period was fair. Prime Contractor Joe Mayo & Son moved two scrapers to project on May 10, 1977 and started stripping topsoil, employed 3 men for two 8-hour shifts. Joe Mayo & Son produced Bitum. Road Mix Surf. at Reynolds gravel pit about 5 miles SW Glendive from 9:00 A.M. to 3:15 P.M. This material was produced on May 4, 1977 and stockpiled in pit area and will be hauled to project and placed when needed. Structure sub-contractor F. L. Flynn & Co. employed a total of 12 men for ten 8-hour shifts. Work consisted of placing concrete for columns and cap on Bent No. 2, also cap on Bent No. 3 and setting eight 35-ft. and three 50-ft. Type A prestressed concrete beams on westbound structure over Hodges County Road. Removed underside of deck slab forms and falsework and finishing concrete on westbound grade separation Str. at Station 1217+50. Major structure items and percent complete are: Class "AD" Concrete, 47%; 35 ft. Type A Prestressed Beams, 80%; 50 ft. Type A Prestressed Beams, 60%; Reinf. Steel, 37%. This sub-contract is 48% complete. The project is estimated at 14% complete with 10% of the contract time charged to date, with four to seven engineers employed this past period.

RF-391(16), LAMBERT - EAST & WEST
Length - 43.2 Miles
Plant Mix Bitum., Surf. & Seal Cover
Contract Awarded - May 3, 1976
Amount of Contract - $1,767,363.50
Work Started - June 7, 1976

Earth Builders, Inc.
Box 838, Bismarck, North Dakota
James Baldwin, Field Project Manager
Culbertson, Montana
Contract Time - 110 Working Days
Prob. Comp. Date - June 1, 1977

No work this past period. All items remain at 100% complete with the exception of seal and cover and final pavement marking. The crushing crew is in the area and expects to return to the project to crush and stockpile cover material approximately May 15. The project as a whole is 75% complete with 63 days or 57% of the contract time elapsed. The construction layout is 100% complete. Engineering crew is engaged on other projects.

RS-128(12), WIBAUX COUNTY LINE - NORTH
Length - 5.722 Miles
Grade, Aggr. Surf., Pl. Mix Base & Drain
Contract Awarded - May 17, 1976
Amount of Contract - $1,089,598.12
Work Started - August 2, 1976

Neshem-Peterson, Inc.
Box 68, Berthold, N. Dakota 58718
James Baldwin, Field Project Manager
Culbertson, Montana
Contract Time - 160 Working Days
Prob. Comp. Date - Aug. 30, 1977

Progress good. Twenty men on grading crew worked ten 9-hour shifts this past period grading and installing small drainage structures in Miles 1, 2 and 3 and finishing slopes and ditches in Miles 4, 5 and 6. Water supply for grading improved with the local irrigation water being made available to the contractor. Sixteen men on gravel crew working two 8-hour shifts per day and completed production and stockpiling of 1" plant mix aggregate on May 5. Began crushing and stockpiling ½" cover aggregate on May 9. Items and percent complete are: Unclassified Excavation, 80%; Culvert Installation, 77%; Fencing 95%; Riprap, 91%; "DD" concrete, 100%; Stockpiled 1½" base course and 1" plant mix aggregate, 100%; Stockpiled ½" cover aggregate 50%. The road portion of the project is 46% complete, bridge portion is 98% complete with handrail painting the only work remaining. The project as a whole is 51% complete with 114 days or 70% of the contract time elapsed. The construction layout is 100% complete. A seven man engineering and inspection crew is engaged on the project.

PROGRESS REPORT

CONSTRUCTION

RS-302(23), TERRY - BROCKWAY
Length - 5.467 Miles
Grade, Aggr. Surf., Plant Mix Bitum. Base
Seal and Cover and Signing
Contract Awarded - March 31, 1976
Amount of Contract - $1,085,633.08
Work Started - May 24, 1976

Joe Mayo & Son, Inc.
Box 310, Cavalier, N. Dakota 58220
B. F. Kelly, Field Project Manager
Glendive, Montana - Phone 365-5296
Contract Time - 180 Working Days
Prob. Comp. Date - July 15, 1977

Progress this past period has been good. Contractor Joe Mayo & Son, Inc. worked three 9-hour shifts and ten 8-hour shifts producing 48,355.6 tons of 1" CBC Type A Gr. 6 gravel making a total to date of 83,797.7 tons or 95% complete. The project as a whole is 73% complete with 154 working days used or 85% of the contract time elapsed. Construction layout with 6 to 14 men working is estimated to be 87% complete. The drum dryer plant is set up and started on May 11, 1977 to produce 1" Plant Mix Bit. Base.

RS-394(3), WEBSTER - WEST
Length - 10.036 Miles
Grade, Aggr. Surf. & Prestressed Con. Gir. Bdg.
Contract Awarded - November 19, 1976
Amount of Contract - $1,142,475.92
Work Started - April 11, 1977

McIntyre Const. & S. Birch, Inc.
P. O. Box 2167, Great Falls, Mont. 59403
Dennis C. Tenney, Field Project Manager
Glendive, Montana - Phone 365-2877
Contract Time - 150 Working Days
Prob. Comp. Date - Oct. 28, 1977

Progress this past period has been good. Ten 9-hour shifts were worked hauling and placing 46,797 cu. yds. Uncl. Exc. making this item 21% complete: 576 Lin. Ft. of minor drainage items installed making the minor drainage items 25% complete: Topsoil replacement and finishing operations underway Sta. 400+ to Sta. 544+. Bridge crew drove steel sheet piles for the crib and removed Str. Exc. Type II Pier #2. Holes prebored for Bents 1 and 3 and drove test piles for Bents 1 and 3 and Pier #2. Ten 9-hour shifts worked this past period on the structure. A total of 27 men employed by the prime contractor this past period. Fencing sub-contractor Swan & Son began operations on 5-2-77. Six 8-hour shifts were worked this past period installing 691 rods farm fence type F-4W, 24 single F-W panels and 2 double F-W panels making the fencing items 12% complete. Six men employed on fencing items. Bridge layout with a one man engineering crew is 20% complete and the roadway construction layout with a 5 man engineering crew and three inspectors is 85% complete. The project as a whole is 13% complete with 17 working days or 11% of the contract time elapsed.

Respectfully,

Bruce Russell, Supervisor
Division Construction Section

BR/sb

DEPARTMENT OF HIGHWAYS
Wolf Point, Montana
May 13, 1977

PROGRESS REPORT

Department of Highways
Helena, Montana

Division 4230

Gentlemen:

The following Construction Progress Report is for the period ending May 13, 1977.

## GENERAL

The weather has been warm with no measurable amount of precipitation. Road construction with the exception of minor work has not been resumed. Work on off system road projects have not resumed but off system signing has started in some areas. The temperatures ranged from a low of 45 degrees to a high of 94 degrees.

## PRECONSTRUCTION

F 1-8( ), Dodson-Malta (Overlay)
Approximately 9 Miles in Length
Authorized--01-28-77
Design Started--02-02-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--05-20-77 (PIH)

Three man days used the past period. A total of 20 man days have been used on design to date. Design is approximately 48% complete.

HHS 1-8(2)454, Dodson-East (Seal & Cover)
Approximately 3.6 Miles in Length
Authorized--04-22-77
Design Started--

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--05-27-77

No man days used the past period. Design will be started 05-16-77.

HHS 1-9(6)541, Glasgow-East (Seal & Cover)
Approximately 2.3 Miles in Length
Authorized--04-22-77
Design Started--05-10-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--05-20-77

One man day used this past period on design. Design is approximately 20% complete.

HHS 1-9(7)565, Frazer-West (Seal & Cover)
Approximately 6.9 Miles in Length
Authorized--04-22-77
Design Started--05-09-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--05-20-77

One man day used this past period on design. Design is approximately 20% complete.

F 1-0(2)611, Poplar-Brockton (Overlay)
Approximately 14.5 Miles
Authorized--03-16-77
Design Started--

Robert Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--

No work on project the past period.

F 32-2(1), Port of Scobey Access
Length--0.1 Miles
Authorized--03-30-77
Location Survey Started--04-04-77
Location Survey Completed--

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Est. Compl. Date--05-06-77 (PIH)

Twelve man days were used by Division office personnel preparing plan sheets and summation of quantities. Design is approximately 50% complete with a total of 33 man days used to date. Proposed plans were submitted to Helena 05-05-77 for review or P.I.H. prints if needed.

F 193(22), Plentywood-South
Approximately 10 Miles in Length
Authorized--05-27-70
Location Survey Started--12-09-74
Survey Suspended--04-26-76
Survey Resumed--11-22-76

James E. Baldwin, Field Proj. Mgr.
Culbertson, Montana
Est. Compl. Date--03-31-78

Five man crew worked 16 man days this past period closing the survey with electronic measuring device and shooting in section ties, several ties remain for electronic checking. Percentages complete on the 10.1 mile survey remain as follows: centerline, bench levels, profile plotted and section ties 100% complete; topography 5% complete. The project as a whole is 63% complete with 581 man days used to date. Estimated date of completion is March 31, 1978.

RS 239(5), Nashua-North
Approximately 8 Miles in Length
Authorized--10-08-74
Location Survey Started--01-07-75
Location Survey Completed--01-14-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Design Started--01-17-77
Est. Compl. Date--05-30-77 (PIH)

No work on project design the past period. Line change notes have been submitted to Data Processing for entry into ground line tabulations. Design remains 5% complete.

RS 248-2(2)18, Opheim-Scobey
Formerly S 8(12)
Length--4.4 Miles
Authorized Construction Staking

George L. Nelson, Field Proj. Mgr.
Scobey, Montana
487-5451

Reference line and staking of earthwork quantities is 100% complete. Construction layout as a whole is 60% complete. All personnel are assigned to other projects.

TQS 250-1(2)37, Wolf Point N & E Loop
Formerly S 98(3)
Approximately 6 Miles in Length
Authorized--12-28-76
Design Started--01-04-77

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050

PIH inspection was completed 04-28-77. County forces are working on the grading portion of this project.

RS 257(5), Tampico-Glasgow
Approximately 8 Miles in Length
Authorized--12-01-71
Location Survey Started--05-20-74
Survey Suspended--06-21-74
Survey Resumed--01-30-75
Survey Suspended--04-22-75
Survey Resumed--01-12-76
Design Started--03-22-76

Robert M. Hanson, Designer II
Wolf Point, Montana
653-1050
Act. Compl. Date--04-02-76 (Location)
Est. Compl. Date--12-15-76 (PIH)

No work on this project the past period. The location survey is 100% complete on the staked line. A total of 159 man days have been used to date on design. Plans are 50% complete and ready for PIH prints. Waiting for determination of which construction alternate will be proposed. Valley County officials have submitted their recommendation to headquarters.

RF 266(11), Macon-North
Approximately 10 Miles in Length
Authorized--11-04-76
Location Survey Started--01-11-77

Duane J. Novakovich, Field Proj. Mgr.
Wolf Point, Montana
653-1301
Est. Compl. Date--05-30-77

Centerline is 100% complete. Bench levels and topography are 80% complete. Section ties are 15% complete. The project as a whole is 35% complete. 18 man days used this period for a total to date of 201 man days.

RF 266(14), Scobey-South
Approximately 11.4 Miles in Length
Authorized--01-22-75
Location Survey Started--01-13-77
Location Survey Suspended--03-30-77

George Nelson, Field Proj. Mgr.
Scobey, Montana
Est. Compl. Date--06-15-77

Four men worked two days checking centerline and semi-tangents with a D.M.D. machine. Levels and check levels have been completed for 100% complete. Topography has been completed Station 2075+00 to 2409+00 and 2459+00 to 2486+00 for 60% complete. Cross sectioning has been completed Station 2274+00 to 2280+00 and 2460+00 to 2485+00 including the bridge survey at the Poplar River for 10% complete. The survey as a whole is 45% complete with 274 man days used to date. Four engineering personnel assigned to the project.

F 273(16), Missouri River Bridge-South of Culbertson
Approximately 0.2 Miles in Length
Authorized--05-13-76
Location Survey Started--

James E. Baldwin, Field Proj. Mgr.
Culbertson, Montana
Est. Compl. Date--06-15-77

No work on bridge site survey this past period, crew engaged on other projects. Survey suspended until crew is available.

RF 001-9-(001)644.2, Culbertson-Diamond Creek
Contract Let--03-31-77
Contract Awarded--04-01-77
Proceed Order Date--04-22-77
Work Started--
Bid Price--$85,761.00

Rehbein Contracting, Inc.
Plains, Montana
James E. Baldwin, Field Proj. Mgr.
Culbertson, Montana
787-5701
Working Days--30
Prob. Compl. Date--06-30-77

No work on project this past period. Pipe for the project has been ordered. The construction layout is 75% complete, the staking notes have been submitted to Helena for a run of quantities. Preconstruction conference is scheduled for June 6. No contract time charged as per item No. 9 of the special provisions. Estimated date of completion is June 30, 1977. The engineering crew is engaged on other projects.

RS 15(17) & RS 202(6), Poplar-North and Brockton-North
Contract Let--05-13-76
Contract Awarded--05-17-76
Proceed Order Date--06-07-76
Work Started--08-11-76
Bid Price--$342,345.22

Earth Builders, Inc.
Bismarck, North Dakota
Duane J. Novakovich, Field Proj. Mgr.
Wolf Point, Montana
653-1301
Working Days--60
Prob. Compl. Date--06-15-77

There was no progress the past period. The only work remaining on contract items is seal, cover and traffic striping. Project is 85% complete with 95% of the project time elapsed. One engineering personnel working periodically checking field notes for supporting data.

RF 153(12)U-1, US #2-Dodson
0.3 Miles in Length
GR.AGG.SURF.,ROAD MIX SURF., & STRUCTURE
Contract Let--08-12-75
Contract Awarded--08-28-75
Proceed Order Date--09-18-75
Work Started--10-31-75
Bid Price--$396,059.08

Baltrusch Constr., Inc., & Affiliates
Havre, Montana
George L. Nelson, Field Proj. Mgr.
Malta, Montana
654-1391
Working Days--120
Prob. Compl. Date--06-01-77

No work in progress. Two personnel worked one day on notes. All other personnel assigned to other projects.

SMP 2899-76, Maintenance Stockpiles
McCone, Prairie, Roosevelt & Wibaux Counties
Crush & Stockpile
Contract Let--11-18-76
Contract Awarded--11-19-76
Proceed Order Date--12-10-76
Bid Price--$224,375.00
Work Started--12-10-76

Francis Tindall, Contractor
Lewistown, Montana
Duane J. Novakovich, Field Proj. Mgr.
Wolf Point, Montana
653-1301
Working Days--120
Act. Compl. Date--05-06-77

Progress this past period consisted of seeding and fencing the various pits. Project completed 05-06-77 with 62% of the contract time elapsed. Final supporting data submitted to Division office 05-10-77.

ROS 4144(52)Unit 9, Bridge End Protection
Missouri River Bridge near Wolf Point
0.378 Miles in Length
Bridge end guard rail and advance flashing beacons
Contract Let--04-28-77
Contract Awarded--05-02-77
Proceed Order Date--
Bid Price--$27,158.75
Work Started--

Stuber Construction Company
Glasgow, Montana
Duane J. Novakovich, Field Proj. Mgr.
Wolf Point, Montana
653-1301
Working Days--30
Prob. Compl. Date--

Contractor has been notified regarding preconstruction conference.

Vernon D. Borden, P.E., Supr.
Division Construction Section

VDB:BH:psb

cc: Field Project Managers
Don Williams
File

DEPARTMENT OF HIGHWAYS
Billings, Montana

May 13, 1977

Following is a report on Highway Preconstruction and Construction projects in Area Function 5130 for the report period ending May 13, 1977.

## GENERAL

Temperatures ranging from +45 to +70 degrees prevailed during the reporting period. A varying amount of precipitation was received throughout the area. Fair progress has been reported on the construction projects.

## PRECONSTRUCTION

I-90-8(77)455
Johnson Lane - Billings
Length 1.00 Miles
Survey Authorized 1-18-77
Work Started 1-20-77

D. C. Kittelson, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 5-1-77

All survey data was hand carried to Preconstruction Division on 5-5-77.

F-4-1(1)0
Wyoming Line No.
Length 19.5 Miles
Survey Authorized 4-12-77
Work Not Started

Engineer Unassigned
Probable Completion Date 12-15-77

Work on this fencing location will begin when personnel are available.

U-16-1(3) Wicks Ln.-Bench Blvd.
Length 1.0 Miles
Design Started 2-2-76
Work Not Started

James M. Young, Designer II
Billings, Montana
Probable Completion Date 11-30-77

Two men worked on this project during the last reporting period, plotting storm sewer data and irrigation siphon structures to the linen plan sheets. Design work is 50 % complete and the estimated completion date is November 30, 1977.

M 1020(1) 1st Ave. North
Billings Division to 22nd
Length 1.1 Miles
Survey Authorzied 2-10-75

Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 12-1-77

Survey will commence as soon as personnel are available. Project is 0% complete.

RF 134(11) Laurel - South
Laurel to Rockvale
12.0 Miles Reconnaisance
Survey Authorized 1-16-76
Work Started 2-2-76

Michael Zahn, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 12-1-77

Work was suspended on February 20 and will continue when personnel are made available. Project is 2 % complete.

RS-132(7) Billings - South
8.2 Miles - Location Survey
Survey Authorzied 2-26-76
Survey Started 2-14-77

Gerald Loran, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Probable Completion Date 6-1-77

There were no men assigned to the Billings South project from April 11, 1977 through April 22, 1977. The project is 28 % complete.

S-332-2(1) Brandenberg -Garland
8.743 Miles Design Work
Design Started 5-5-75

James M. Young, Designer II
Billings, Montana
Probable Completion Date 1-31-79

No work was accomplished on this project during the past reporting period. Design work is 52 % complete and the estimated completion date is January 31, 1979.

RS 306-1(1)0 Columbus- North
3.6 Miles
Survey Authorized 12-10-75
Survey Started 12-22-75

James M. Young, Designer II
Billings, Montana
Phone No. 252-4138
Probable Completion Date 4-1-82

No work was accomplished on this project during the past reporting period. Design work has not been started the estimated completion date is April 1, 1982.

RS 311-2(3)11 Myers Bridge - N.W.
4.9 Miles Grade, Gravel, Drain, Pl. Mix Base and Structure - Treasure County
Contract to be let 5-26-77

John Miner, Fld. Project Mgr.
Hysham, Montana
Phone No. 342-5317

A six man engineering crew worked one day this reporting period, starting the slope staking portion of this project. Construction layout remains 3 % complete. This project is scheduled for letting May 26, 1977.

S 447-1(1)29 Rosebud South (North Section)
8.239 Miles Design Work
Design Started 2-2-76

James M. Young, Designer II
Billings, Montana
Probable Completion Date 5-25-77

Two men worked on this project during the past reporting period, plotting templates on the cross section sheets and checking drainage structures. Design work is 90 % complete and the estimated completion date is May 27, 1977.

S 463-1(1)0 Lodge Grass - St. Xavier
6.495 Miles Design Work
Design Received 9-30-74

James M. Young, Designer II
Billings, Montana
Probable Completion Date 5-20-77

No work was accomplished on the project during the past reporting period. Design work is 50 % complete and the estimated completion date is May 5, 1982.

DP 50(7) Sarpy Creek Road
Photogrammetric Control 27±
Date Authorized 9-28-76
Survey Started 12-21-76

John Miner, Fld. Project Mgr.
Hysham, Montana
Phone No. 342-5317
Probable Completion Date 5-1-77

No work was done on the project this period. Photos and control data have been submitted to Helena and section corner location will continue as time permits.

DP 314-1(1) Decker Railroad Crossing
1.0 Miles - Location Survey
Survey Authorized 3-8-77
Survey Started 3-17-77

Raymond Schaak, Fld. Project Mgr.
Garryowen, Montana
Phone No. 638-2255
Probable Completion Date 5-30-77

All location data was hand carried to Preconstruction Division on 5-5-77.

DP 334(26) Crow Agency - Busby
Photogrammetric Control 27.4 Miles
Date Authorized 12-3-75
Survey Started 12-22-75

Raymond Schaak, Fld. Project Mgr.
Garryowen, Montana
Phone No. 638-2255
Probable Completion Date 12-1-77

No work was done by the Field Engineering Crew for the past two weeks. All the personnel was assigned to the following construction projects I-90-9(28)509 U-1, I-90-9(34)491 and FI 188(10). The project is 74 % complete.

CONSTRUCTION

I-IG- 90-8(64)391 U1 & I-90-8(70)388 U3
Reedpoint - East
7.7 Miles-Grading, Agg. Surf., Pl. Mix Bit. Base Surf., & 284 Structure
Amount of Contract - $3,273,435.74
Contract Awarded 6-5-75
Work Started 6-26-76

Clark Brothers, Contractor
Victor, Montana
Don Taylor, F.P.M.-Structures
Michael Zahn, F.P.M.-Roadway
Billings, Montana
Phone No. 252-4138
Contract Time: 260 Working Days
Probable Completion Date 5-30-77

The contractor did not work on the project during this period. All of the items are 100 % complete except for some patching and some clean-up work. The project is 99 % complete with 86 % of the contract time elapsed. No engineering personnel were assigned to the project during this period.

I-90-9(28)509 U1 and I-90-9(34)491 &
FI 188 (10) Garryowen North & South
8.1 Miles of Grading Agg.
Surf., Pl. Mix Surf., Fencing
Signing & Related Items
Contract Let 4-24-75
Amount of Contract - $4,304,984.48
Work Started 6-12-75

Wickens Brothers and Empire
Sand & Gravel Co's., Contractors
Billings, Montana
Raymond Schaak, Fld. Project Mgr.
Phone No. 638-2255
Garryowen, Montana
Contract Time: 280 Working Days
Probable Completion Date 6-30-77

Work this past two weeks consisted of Schmoll Construction, Inc. with four men for 10-8 hour shifts, placing guardrail, hanging signs and setting treated timber posts on the FI 188(10) and Garryowen North and South projects or 85 % complete. Empire Sand & Gravel Co. with 27 men for 10-9 hour shifts, placing Type III plant mix surfacing between Station 874+06 to Station 880+00, 25+00 to 240+00 W.F.R., Station 155+00 to Station 239+00 E.F.R. and E-1, E-2, E-3 & E-4 Ramps at the Crow Agency Interchange on the Garryowen North and South while, on the FI 188(10) the "E" Line and the Weigh Station parking area or 100% complete. Wickens Brothers Construction with five men for 9-8 hour shifts, building farm fence Station 890+11 to Station 910+00 and Station 51+70 to Station 55+00 and on general cleanup of the project. The contract as a whole is 96 % complete with 84 % of the contract and extension time elapsed. One man is working in the office on field notes and computations for the construction projects. The survey crew has been working on the Garryowen North and South and Safety projects with inspection and related field engineering.

I-90-9(48)500 Crow Agency Frontage Rd.
8.3 Miles Agg. Surf., Plant Mix Base
Amount of Contract - $370,789.95
Contract Let 12-18-75
Contract Awarded 12-23-75
Work Started 8-23-76

Empire Sand & Gravel, Contractor
Billings, Montana
Raymond Schaak, Fld. Project Mgr.
Phone No. 638-2255
Garryowen, Montana
Contract Time: 120 Working Days
Probable Completion Date 5-30-77

The project is now under seasonal shutdown due to time limitations for Seal Coat Operation. The project as a whole is 89 % complete with 80 % of the contract time elapsed.

I 94-1(37)50 Unit 1
Structure and Approaches Bighorn
River 0.22 Miles Yellowstone & Treasure Co's.
Contract Awarded 2-28-77
Amount of Contract - $1,007,315.91
Work Started 4-8-77

Sletten Construction Co.
Great Falls, Montana
Kenneth W. Hartman, Fld. Project Mgr.
Phone No. 252-4138
Billings, Montana
Contract Time: 210 Working Days
Probable Completion Date 12-1-77

Good progress. The contractor worked 10 eight hour shifts and employed six men on the project, excavating and placing concrete in footings and lower section of columns Bent No. 2. The subcontractor worked 10 eight-hour shifts and employed seven men on the project hauling excavation-unclass, removing and placing riprap and laying pipe. Percentage Items Complete: Concrete-Class AD 6%. Str. Excavation TY 1 77%. Reinforcing Steel 2%. Excavation-Unclassified 25%. Compaction-Roadbed 19%. Traffic Control 7%. Riprap-Reset 50%. C S P 24 IN. 064 67%. The project is 2% complete with 18 working days or 9% of the contract time elapsed. Structure and approach staking and computations are 4% complete. Thirty-two man days have been charged to the project this newsletter period.

I-94-2(17)60 U1 & I-94-2(19)56
Hysham East and West
21.6 Miles of Add 2 Lane
Gr., Agg. Surf., PMBB & PMBS
Signing and Structures
Contract Let 5-29-75
Amount of Contract - $4,998,829.68
Work Started 7-3-75

Empire Sand & Gravel Company
Wickens Brothers (JV)
Billings, Montana
John T. Miner, Fld. Project Mgr.
Hysham, Montana
Phone No. 342-5317
Contract Time: 300 Working Days
Probable Completion Date 8-1-77

Progress has been fair. The contractor lost one working day to adverse weather conditions, and two days of crushing and hauling due to crusher breakdown. Empire Sand & Gravel Co., Inc. contractor worked seven days crushing and hauling three inch base surfacing. Eighteen men were employed working ten hour shifts. Prime was placed from Station 456+04 to Station 1039+56. The contractor worked three ten-hour shifts and employed one man. Frank Gurney, Inc., sub-contractor, worked eight, eight hour shifts on the safety upgrading portion of this project installing guardrail. He worked two eight-hour shifts installing guardrail on the add one lane portion. Probable completion date has been moved from 7/15/77 to 10/21/77 as surfacing pits can not be seeded until the gravel stockpiles have been used. Empire Sand & Gravel Co., Inc. Hot Plant began arriving on the project on 5/10/77 and should begin plant mix operation about 5/13/77. Eighteen employees are presently assigned to this project. Construction layout is 70 % complete. Present complete of the various items are as follows: Grading 97%, Surfacing 45%, Drainage 94%, Structure 97%, Fencing 76%, Signing 16%, Project as a whole 69%. 246 of the allotted 305 Working Days have now been used, making 81% of the contract time elapsed.

RF 108(16) Billings - North
Billings - Roundup
6.9 Miles - Yellowstone Co.
Gr., Agg. Surf., Pl. Mix Surf.
Drain and Structures
Contract Awarded 8-24-76
Amount of Contract - $2,418,157.90
Work Started 10-19-76

McEachern Const., Co., Contractor
Butte, Montana
Roddo Bakich, Fld. Project Mgr.
Phone No. 248-4050
Billings, Montana
Contract Time: 160 Working Days
Probable Completion Date 8-1-77

Good progress. The contractor worked ten 8-hour shifts hauling 25,000 Cu. Yds. of Unclassified Excavation between Stations 130+00 to 170+00 and 387+30 to 393+26. Pipe crew is placing Opt. pipe #1-18" approach pipe in various areas along project. 178 feet of 30" RCP was placed at Station 140+51. Some DD and AC-DC concrete was placed in the division box at 54+19 and ditch lining lt. of 53+00. The structure crew worked ten 8-hour shifts and employed an average of ten men. 177.4 Cu. Yds. of concrete were placed in the deck slab, diaphrams and back walls at Station 39+84.5 and in the curbs and end posts at Station 69+62. Bozeman Sand & Gravel Co., sub-contractor, hauling 3,870.1 tons of 1½" Base Course from the stockpile to the roadway Station 194+00 to 215+00 and 241+16 to 249+00. On the roadway items the grading is 65% complete, the drainage items are 71% complete, fencing is 85% complete, surfacing items are 27% complete and the concrete items are 10% complete. On the structures, Class Ad conc. is 97% complete, reinforcing steel is 98% complete and the structures as a whole are 93% complete. The project is 42% complete with 22% of the contract time elapsed. A total of 56 men were employed. Thirteen persons were assigned to the project for engineering and inspection of roadway items , and a three man crew was engaged in structure layout and inspection. The structure layout is 90% complete and the roadway engineering layout is 28% complete.

RF 188(9) Center Ave. & 3rd St.
Hardin Streets
Gr., Agg. Surf., PMBB, Pl. Mix
Surf., Curb and Gutter, Drain
Sign and Light
Contract Awarded 4-2-76
Amount of Contract - $1,490.610.15
Work Started 4-22-76

Cop Construction Co., Contractor
Billings, Montana
Donald C. Kittelson, Fld. Project Mgr.
Hardin, Montana
Phone No. 665-3995
Contract Time: 180 Working Days
Probable Completion Date 7-1-77

There was no work in progress this reporting period. The project is complete except for the installation of Traffic Signals at Center Ave. and Third St. which will be done at a later date under Extra Work Order No. 2. A letter of conditional acceptance was issued on April 21, 1977. A shutdown is in effect due to the conditional acceptance. The Miscellaneous items are 100% complete. The Grading items are 100% complete. The Drainage items are 100% complete. The Surfacing items are 100% complete. The Curb and Gutter items are 100% complete. The Signing and Lighting items remain 95% complete. The Fencing items are 100% complete. The project as a whole is 97% complete with 139 working days of the 216 allowed having been used or 64% of the contract time elapsed. Two men have been working in the office on the project final. Engineering layout is 100% complete.

M 1006(1) Broadwater Avenue
12th to 14th Street West-Billings
Gr. Drain, Agg. Surf., Pl. Mix
Surf., and Sign 0.3 Miles
Contract Awarded 5-28-76
Contract Amount - $407,470.75
Work Started 7-8-76

Cop Construction Co., Contractor
Billings, Montana
Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Contract Time: 90 Working Days
Completion Date 4-22-77

The Certificate of Completion of Construction Contract for this project has been sent to Helena. There has been an average of three men working ten days remeasuring final quantities, resetting property pins and working in the office on project final.

M 1008(2) Central Avenue Ramp
Gr. Drain Agg. Surf., Pl. Mix
Surf., Conc. Structure, Light
and Sign 0.443 Miles
Contract Awarded 6-4-76
Contract Amount - $337,781.47
Work Started 6-30-76

Sletten Construction Co., Center
Great Falls, Montana
Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Contract Time: 150 Working Days
Probable Completion Date 6-1-77

The subcontractor, Barry O'Leary, Inc., had an average of ten men employed and worked 10-eight hour shifts hauling , processing and laying 3/4", 1½", and 3" material, pouring curb and gutter and paving. The subcontractor, Stolzenburg, Inc., had an average of four men employed and worked three-eight hour shifts installing a Drop Inlet Station 27+22, backfilling behind curb and gutter, shaping slopes and placing top soil. Montana Power Company made the hook ups for the lighting portion of the contract, making the electrical items 100% complete. Topsoil Salvaging and Placing is approximately 80% complete, Base Course 1½ In Gr 5 A is 100% complete, Base Course 3 In Gr 2 A is 100% complete, Top Surf. 3/4 In Gr 2 A is 100% complete, Plant Mix Bit Surf Type 3 is approximately 95% complete, Curb and Gutter-Conc is approximately 95% and Inlet-Std Drop-Type 3 is approximately 100% complete. All other items remain the same as previously reported. Contract time elapsed has been 117 working days or 78% to date and 34 working days remain. Engineering time charged to the project during the past reporting period has been 46 man days. The project as a whole is approximately 86% complete.

M 1018(2) & M 1099(2) U2
Interm Couplet 4th & 6th Ave. No.-Billings
Gr., Agg. Surf., Pl. Mix Surf., Signs & Signals
Contract Amount - $128,510.00
Contract Awarded - 10-29-76
Work Started 3-16-77

Midland Electric Co.
Bilings, Montana
Kenneth Bowersox, Fld. Project Mgr.
Billings, Montana
Phone No. 252-4138
Contract Time: 90 Working Days
Probable Completion Date 6-30-77

The prime contractor, Midland Electric Company, had two men employed and worked one-eight hour shift sawing, installing wire, installing pullbox and conduit and sealing Detector/Loops #LD-7 & LD-8. Detector/Loops are approximately 13 % complete. All other items remain the same as previously reported. No contract time has been charged to the project in accordance with Spec. Prov. 1B. Engineering time charged to the project during the past reporting period has been two man days. The project as a whole remains approximately 4 % completed.

TQS 308-1(2)4 Red Lodge - Belfry
3.0 Miles - Grading, Agg. Surf.,
Bit. Base, Signing, in Carbon County
Contract Amount $1,122,589.78
Contract Awarded 4-1-77
Work Not Started

Rehbein Contracting, Inc.
Plains, Montana
Michael Zahn, Fld. Project Mgr.
Red Lodge, Montana
Phone No. 446-1805
Contract Time: 150 Working Days
Probable Completion Date 12-1-77

Swan and Son Construction, Inc. started fencing on the subject project May 4, 1977 with seven men employed. They are working one-nine hour shift per day. Fencing items are 8 % complete. A nine man engineering crew has been working on notes, staking culverts and slope staking. The project is 0 % complete with 4 % of the contract time elapsed. Construction layout is 30 % complete.

RS 129 (14) Columbus-Rapelje
4.345 Miles-Grading, Agg. Surf.
Pl. Mix Bit. Base, Signing and
91.25' Structure
Amount of Contract - $1,348,465.14
Contract Awarded 6-5-75
Work Started 6-30-76

Meyer Construction Co., Contractor
Billings, Montana
Donald R. Taylor, F.P.M.-Structures
Michael Zahn, F.P.M.-Roadway
Phone No. 252-4138
Billings, Montana
Contract Time: 150 Working Days
Probable Completion Date 5-30-77

Sherrodd Inc., subcontractor on the project, spent two days seeding with three men employed. Bridge items are 100% complete. Grading items are 100% complete. Surfacing items are 91% complete. Seeding items are 98% complete. Drainage items are 100% complete. Guardrail items are 100% complete. Signing items and Striping items are 43% complete. Fencing Items are 99% complete. Construction layout is 98% complete. The project is 98% complete with 92% of the contract time elapsed.

DP 384-1(4)0 Hardin East
19.0 Miles - Pl. Mix Bit. Base Overlay
Seal & Cover, in Big Horn County
Contract Amount $845,091.24
Contract Awarded 4-1-77
Work Not Started

Border States Paving, Inc.
Fargo, North Dakota
Donald Kittelson, Fld. Project Mgr.
Hardin, Montana
Phone No. 665-3995
Contract Time: 110 Working Days
Probable Completion Date: 8-1-77

The contract for this project was awarded on April 1, 1977. A Notice to Proceed with the Work Order has been received effective April 22, 1977. Work has not begun as of this date. Twelve days of the 110 working days allowed have been used or 11 %

DP 384-1(4)0 Hardin East Cont.

of the contract time elapsed. One five man survey crew completed running Reference and poppy lines from Station 17+46.2 to 1038+11.2. Profiles have been run on Bridge Ends and out of section areas throughout the project. One person worked in the office plotting profiles and working on notes. The contractor has not yet requested a pre-construction conference.

HHS 212 (20) Lodge Grass- North
6.0 Miles Pl. Mix Bit. Base Overlay
Skid Correction
Big Horn County
Contract Amount - $322,491.40
Contract Awarded 5-14-76
Work Started 8-25-76

Empire Sand & Gravel Co., Inc.
Bilings, Montana
Raymond Schaak, Fld. Project Mgr.
Phone No. 638-2255
Garryowen, Montana
Contract Time: 60 Working Days
Probable Completion Date 5-30-77

The project is now under seasonal shutdown due to time limitations for seal coat operation. The project as a whole is 92% complete with 91% of the contract time elapsed.

HHS 4-2(1)52 U1-Main St. & 1st Ave.-Laurel
Installation of traffic devices
0.01 Miles
Contract Amount $44,966.00
Contract Awarded 1-31-77
Work Not Started

Midland Electric Co.
Billings, Montana
Gerald Loran, Fld. Project Mgr.
Phone No. 252-4138
Contract Time: 45 Working Days
Probable Completion Date 6-30-77

No work has been done by the contractor during the past reporting period. The contractor is currently on a shut down in accordance with Spec. Prov. 1b. Engineering time charged to the project has been eight man days with one man working in the office on electrical and striping notes. The project is 0% complete with 0% of the contract time elapsed.

Respectfully Submitted,

C. W. Klimper, P.E., Supervisor
Division Construction Section

CWK/JBR/st

STATE OF MONTANA
DEPARTMENT OF HIGHWAYS
Division Office
Miles City, Montana
May 13, 1977

Department of Highways
Helena, Montana

Progress Report
Division 5230

Following is the Preconstruction and Construction Progress Report for the period ending May 13, 1977, for Division 5230 - Miles City, Montana.

## GENERAL

Mostly clear skies, occasional wind, and above normal temperatures prevailed during the past period. Temperatures ranged from 58° to 94°. All construction projects are in good travel condition. On I-94 paved detours are in use 1 - 2 miles east of Forsyth and 1 - 1.5 miles west of Forsyth--Construction adjacent to PTW 2 miles east to 4 miles west of Hathaway--Trucks crossing PTW 3 miles west of Hathaway. On US-12 traffic is being detoured through Forsyth to temporary connection with US-10 and I-94 at Tenth Street. On US-312 trucks are entering highway 12 miles south of Miles City--Paving in progress 28 - 33 miles south of Miles City with flagpersons. On Montana 22 equipment is crossing the PTW 3.5 miles south of Cohagen.

## PRECONSTRUCTION

S 252 (4) - 8 Mi. So. of Rosebud-South
(South Section)
Length - 9.0 Miles
Survey Started: January 17, 1973
Survey Suspended: January 28, 1974
Survey Resumed: January 13, 1977

Delmer F. Borer, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: May 20, 1978

No work was performed on this location survey during the past period. To date, centerline has been run on 9.054 miles or 100% complete. Topography has been taken on 0.5 miles or 1% complete. The survey as a whole is 30% complete.

DP 252 (5) - Rosebud-South
(Ashland-Northwest Section)
Length - Approx. 28.3 Miles
Survey Started: August 28, 1975

Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: March 15, 1978

No work was performed on this project during the period. To date, ownerships have been checked and fly line run on 20.2 miles or 71% complete. 101 man days have been used. The survey as a whole is 5% complete.

DP 323 (16) - Colstrip to I-94
(Center Section)
Length - Approx. 12.8 Miles
Survey Started: January 13, 1976

Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: May 30, 1977
Survey Suspended: March 3, 1977

No work was performed on this photogammetry design survey during the past period. To date, levels have been run on 12.8 miles and drainage secured on 6.0 miles. 109 man days have been used to date.

DP 362 (9) - Lame Deer-Colstrip (South Section)
Length - Approx. 9.0 Miles
Survey Not Started

Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: April 15, 1978

Authorization to make this location survey was issued June 18, 1976. Engineering personnel will be assigned when available.

DP 334 (27) - Lame Deer-Ashland
Length - Approx. 22.0 Miles
Survey Not Started

Field Project Manager - Unassigned
Probable Completion Date: April 15, 1978

Preliminary engineering for reconnaissance only was authorized June 18, 1975. Engineering personnel will be assigned when available.

RF 334 (28) - Ashland-East
Length - Approx. 20.4 Miles
Survey Not Started

Field Project Manager - Unassigned
Probable Completion Date: April 15, 1978

Authorization to make a ground control survey for design mapping was issued June 2, 1976. Engineering personnel will be assigned when available.

RS 460 (10) - Boyes-South on SR-544
Length - Approx. 8.0 Miles
Survey Started: November 17, 1975

Robert E. Swanson, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Probable Completion Date: Feb. 15, 1978

No work was performed on this project during the past period. To date, right-of-entry permits have been secured, ownerships checked, and fly line established.

DP 466 (1) - Tongue River Bridge S.W. of Birney
Length - Approx. 0.5 Mile
Survey Not Started

Field Project Manager - Unassigned
Probable Completion Date: March 15, 1978

Authorization to make this bridge and approach survey was issued January 24, 1977. Engineering personnel will be assigned when available.

## CONSTRUCTION

I 94-3 (29) 90 U-2 - Forsyth-E & W
Length - 5.745 Mi. Grad., Gravel Surf., Pl. Mix Bit. Surf., Fencing, Sign., 254.5' West Interchange Structure, & 304.5' South Frontage Road Structure
I 94-3 (31) 83 - Forsyth-West
Length - 15.616 Miles Plant Mix Seal
RRS 384 (8) - US 12-I Conn.-Forsyth
Length - 0.306 Miles Grad., Gravel Surf., Pl. Mix Surf., Sign., & 233.0' BN Overpass Structure
Contract Let: April 29, 1976
Proceed Order: May 24, 1976
Amount of Contract: $4,977,775.22
Work Started: July 20, 1976

Wickens Brothers, Contractor
Lewistown, Montana
Ray R. Garland, Field Proj. Mgr. (Roadway)
Walter D. Dane, Field Proj. Mgr. (Structure)
Forsyth, Montana - Tel. No. 356-2230
Contract Time: 300 Working Days
Probable Completion Date: Dec. 15, 1977

I 94-3 (29) 90 U-2 (Continued)....

Progress during the past period has been good. 55,000 cubic yards unclassified excavation were moved making a total of 1,407,000 cubic yards or 97% complete. 32 lineal feet of CSP culvert were placed making a total of 4,013 lineal feet or 99% complete. To date, 500,000 cubic yards of unclassified borrow have been moved or 99% complete, 1,299 lineal feet RCP culvert have been placed or 100% complete, 2,391 rods of fence have been installed or 59% complete and 4,820 tons of plant mix type 3 have been placed or 10% complete. Seeding operations are 80% complete, plant mix seal is 80% complete and S.S.P.P. culvert is 100% complete. The Contractor worked seven 9-hour and three 8-hour shifts with 45 men employed. The structures as a whole are 68% complete. The contract as a whole is 65% complete with 43% of the contract time elapsed. Construction layout, with a 9-man engineering crew engaged, is 78% complete.

I 94-3 (27) 114 - Hathaway-E & W
Length - 5.6 Miles Grading, Aggregate Surfacing, Plant Mix Bit. Surf., & 244.5' Interchange Structure
Contract Let: October 30, 1975
Proceed Order: April 16, 1976
Amount of Contract: $2,053,896.79
Work Started: January 14, 1976

Wickens Brothers, Contractor
Lewistown, Montana
Delmer F. Borer, Fld. Proj. Mgr. (Roadway)
Miles City, Montana - Tel. No. 232-1093
Contract Time: 200 Working Days
Probable Completion Date: July 30, 1977

Work in progress during the past period has been fair. 12,107 tons of 1½" crushed base surfacing were produced making a total of 61,443 tons or 93% complete. 789 tons of 3/4" crushed top surfacing type "B" were produced making a total of 789 tons or 32% complete. To date, 79,334 tons of 3" crushed base surfacing have been produced or 91% complete. The sub-contractor worked ten 8-hour shifts during the past period with sixteen men employed. The project as a whole is 88% complete with 71% of the contract time elapsed. Construction layout, with a five-man engineering crew engaged, is 88% complete.

F 39-1 (1) 13 - Colstrip-Lame Deer
Length - 7.5 Mi. Pl. Mix Overlay
Contract Let: March 31, 1977
Proceed Order: April 22, 1977
Amount of Contract: $678,362.60
Work Not Started

Baltrusch Constr. Co., Contractor
Havre, Montana
Don L. Stewart, Field Project Manager
Miles City, Montana - Tel. No. 232-1093
Contract Time: 80 Working Days
Probable Completion Date: August 1, 1977

No work was performed on this project during the period. To date, centerline has been run on 4.0 miles or 53% complete. 34 man days have been used. Construction layout, with a 4-man engineering crew engaged, is 22% complete. The contractor has advised us that he plans to start work during the week of May 16th. 18% of the contract time has elapsed.

RF 156 (15) - 14 Miles No. of Volborg-North
Length - 5.4 Miles Grading, Gravel Surf., and Plant Mix Surfacing
RF 156 (17) - 22.3 Miles SE of Miles City-NW
Length - 13.2 Miles Plant Mix Overlay
Contract Let: April 29, 1976
Proceed Order: May 24, 1976
Amount of Contract: $1,996,750.02
Work Started: July 7, 1976

Earth Builders, Inc., Contractor
Bismarck, North Dakota
Colin D. Murray, Field Project Manager
Miles City, Mt. - Tel. No. 232-1093
Contract Time: 180 Working Days
Probable Completion Date: July 15, 1977

RF 156 (15) & (17) Continued....

Progress during the past period has been good. 15,208 tons of plant mix bituminous base Grade 1 were produced making a total of 63,201 tons or 100% complete. 13,017 tons of plant mix bituminous base Grade II were produced making a total of 13,017 tons or 62% complete. 276 tons of base course Type A, Grade 6 were placed making a total of 21,661 tons or 100% complete. To date, Project RF 156(17) has been completed through plant mix surfacing. The contractor worked seven 10-hour shifts with 37 men employed. The project as a whole is 79% complete with 76% of the contract time elapsed. Construction layout, with an 8-man engineering crew engaged, is 90% complete.

RF 157 (28) - Cohagen-South
Length - 5.433 Miles Grading, Agg.
Surf. & Pl. Mix Bit. Surf.
Contract Let: October 28, 1976
Proceed Order: April 18, 1977
Amount of Contract: $1,258,220.14
Work Started: February 24, 1977

Earth Builders, Inc., Contractor
Bismarck, North Dakota
R. E. Swanson, Fld. Project Manager
Miles City, Montana - Tel. No. 232-1093
Contract Time: 160 Working Days
Probable Completion Date: November 15, 1977

Progress during the past period has been fair. 65,500 cubic yards of unclassified excavation were moved making a total of 195,800 cubic yards or 33% complete. 284 lineal feet of RCP culvert were installed making a total of 1,450 lineal feet or 54% complete. 103 rods of farm fence Type F5M were installed making a total of 103 rods or 6% complete. 78 rods of temporary fence have been installed making a total of 333 rods or 100% complete. To date, 743 rods of farm fence Type F2M have been installed or 41% complete. Subcontractor, Sherrodd, Inc., worked eleven 8-hour shifts with one man employed. The prime contractor worked ten 9-hour shifts with 19 men employed. The project as a whole is 16% complete with 11% of the contract time elapsed. Construction layout, with a seven-man engineering crew engaged, is 70% complete.

Kenneth G. Rapp, P. E.
Supr.-Div. Constr. Section

KGR:DM:dk

cc: Div. File

STATE OF MONTANA

DEPARTMENT OF HIGHWAYS

LEWISTOWN, MONTANA

May 13, 1977

State of Montana
Department of Highways
Helena, Montana 59601

PROGRESS REPORT
DIVISION 5330

Gentlemen:

The following report covers preconstruction and construction in Division 5330 for the period of April 30, 1977 through May 13, 1977.

## GENERAL

The temperature varied from 76° above to 26° above with 0.81 inches of precipitation recorded. Roads are in good travel condition.

## PRECONSTRUCTION

F 8 (19) Martinsdale-East and Two Dot-West
Approximate Length: Martinsdale-East 5.7 Miles
Approximate Length: Two Dot-West 7.4 Miles
Survey Authorized: 5-26-70
Survey Started: 1-4-71
Survey Completed: 4-5-73

Mitch J. Miller
Designer II
Lewistown, Montana
Telephone: 538-8731

Martinsdale-East: A five man crew worked 9 days this past reporting period plotting Bridge Surveys and Irrigation situations which were submitted to Helena Hydraulics Section 5-11-77. A total of 110 man-days were expended.

Two Dot-West: Bridge Situation Surveys were submitted to Helena on 9-18-73. IBM sheets for Run No. 2 were received on 9-29-76. Tracing Plan and Profile Linens remain 80% complete. Ten man-days were used revising grades, plotting templates, and computing volumes for 80% complete; designing miscelaneous items for 20% complete. The design as a whole is 26% complete with 139½ man-days expended to date.

RS 68 (7) PN-Lohse Ferry Bridge and Approaches
Secondary Route 236
Approximate Length: Unknown
Survey Authorized: 5-30-75
Survey Started: 12-13-76

Martin C. VanMil
Field Project Manager
Lewistown, Montana
Telephone: 538-8731

Work during the past reporting period consisted of plotting plan sheet, checking field notes, copying field notes, completing irrigation drainage sheets. All items are 100% complete with the exception of section ties which are approximately 50%. Location survey data was submitted to the Division Office on 5-10-77 and

transmitted to Helena on May 12, 1977. A total of 531 man-days have been expended to date.

RF 235 (38) Geyser-Stanford
Approximate Length: 12.51 Miles
Survey Authorized: 1-22-74
Survey Started: 1-6-75
Survey Suspended: 4-7-75
Survey Resumed: 1-22-77

Carl W. Park
Field Project Manager
Lewistown, Montana
Telephone: 538-8731

No work has been accomplished the past reporting period. Items and percentages complete are as follows: centerline, bench levels, land ownerships, cross-sections, topography, bridge situations and drainage, and plotting profile are 100% complete; plotting plan is 95% complete; plotting cross-sections is 55% complete; checking and inking cross-sections 35% complete; checking field notes is 95% complete; section ties 55% complete. A total of 676 man-days have been expended with the field survey work complete except for completing section corner ties.

RF 235 (38) Stanford-East and West
Approximate Length: 8.0 Miles
Survey Authorized: 9-28-76
Survey Started: 1-31-77
Survey Suspended: 4-6-77

Bruce H. Barrett
Field Project Manager
Hobson, Montana
Telephone: 423-5327

There has been no work on the project due to construction requirements. The survey remains at 20% complete.

ER 72 (23) Lewistown-Southeast, Fergus County
Approximate Length: 0.445 Miles
Survey Authorized: 12-31-75
Survey Started: 7-20-76
Survey Suspended: 7-29-76
Survey Resumed: 9-27-76

Mitch J. Miller
Designer II
Lewistown, Montana
Telephone: 538-8731

Utility Plan in Hand was held on May 12, 1977.

F 256 (35) Winnett-West
Approximate Length: 9.3 Miles
Survey Authorized: 2-14-72
Survey Started: 11-25-74

Robert A. Passow, S.E.T.
Field Project Manager
Roundup, Montana
Telephone: 323-2040

No work has been performed on this project since the last reporting period. The survey as a whole is 92% complete with a total of 411 man-days expended to date.

RS 462-2 (1) Rock Springs-Van Norman
Approximate Length: 14.0 Miles
Survey Authorized: 4-10-73
Survey Started: 9-10-73

Charles W. Buck
Field Project Manager
Lewistown, Montana
Telephone: 538-8731

A 4-man engineering crew worked five man-days this reporting period. Centerline, bench marks set, levels run and checked, roadway cross-sections, topography taken

for 100% complete; drainage areas and drainage recommendations are 80% complete; bridge situation surveys are 90% complete; plotting profile and plan is 100% complete. Twenty man-days were expended this reporting period searching for section corners for 70% complete. A total of 710 man-days have been expended to date and the survey remains 96% complete. Field notes checked remain 90% complete.

DESIGN: Tracing plan and profile linens remain 90% complete. Ten man-days were used laying preliminary grades and coding IBM sheets for Run No. 1 making these items 100% complete. The IBM Run was submitted to Helena on May 5, 1977. The design as a whole is 15% complete with 58 man-days expended to date.

SRS 4148 (52) Various Locations
Grade Crossing Signals
Off-System

Utility Agreements for the Stanford and Windham crossings were received by the Lewistown Office on 10-14-76 for the Windham Crossing and on 12-29-76 for the Stanford Crossing. The work on the Stanford Crossing was started on 11-8-76, and was completed 2-24-77. Work was started on the Windham Crossing 4-1-77.

SRS 4148 (51) Yogo Inn Crossing - Lewistown
Grade Crossing Signals
Off-System

No agreement for the project has been received by the Lewistown Office.

M 7103 (1) Airport Road - Lewistown — Unassigned at this time
Approximate Length: 1.7 Miles
Survey Authorized: 12-6-76

No work has been done on this survey to date.

M 7106 (3) Spring Street, 8th-11th - Lewistown — Unassigned at this time
Approximate Length: 1100.0 feet
Survey Authorized: 12-6-76

No work has been done on this survey to date.

M 7109 (1) 4th Avenue - Lewistown — Unassigned at this time
Approximate Length: 0.4 Miles
Survey Authorized: 9-28-76

No work has been done to date on this survey. Work will begin when a crew becomes available.

RS 42 (12) 6 Miles Northwest - Jordan — Unassigned at this time
Approximate Length: 8.0 Miles
Survey Authorized: 9-28-76

No work has been done on this survey. Location and Design Public Hearing was held on 10-19-76 in Jordan.

ER 72 (15) Armells Creek Slide
Length: 0.05 Miles
Grade, Channel Change, and Riprap
Fergus County
Contract Awarded: 8-30-76
Bid Price: $143,208.10

Rehbein Contracting, Inc.
Plains, Montana
Martin C. VanMil
Field Project Manager
Lewistown, Montana
Telephone: 538-8731
Contract Time: 40 working days
Compl. Date: 4-14-77

The project was completed on April 14, 1977, with 97.6% of the allotted contract time used. On April 18, 1977, Mr. R.W. Freeman, Division Construction Section Supervisor, made the final inspection and acceptance of the project. The final estimate and supporting data are being checked for submission to the Division Office.

U-RF 103 (15) Lewistown-North
Length: 2.7 Miles
Grading, Aggregate Surface, Plant Mix Bituminous Surfacing, Sewer Installation Signing, Lighting, and 40.0 Prestressed Concrete Bridge over Spring Creek
Contract Let: 4-1-76
Bid Price: $1,820,322.90
Work Started: 5-24-76

Washington Construction Company
Missoula, Montana
Carl W. Park
Field Project Manager (Road)
Dale E. DeVore
Field Project Manager (Bridge)
Lewistown, Montana
Telephone: 538-8731
Contract Time: 160 working days
Prob. Compl. Date: 6-1-77

Progress the past reporting period has been fair. Construction work accomplished consisted of completing fencing, installation of electrical facilities, erection of signs, and traffic striping. Sub-contractor, Swan and Sons, worked two 9-hr. shifts with three men employed. Sub-contractor, Western Sign Inc., worked four 9-hour and two 4-hour shifts with five to seven men employed. Sub-contractor, Walt Lins worked one 8-hour shift. All construction items are complete with the exception of lawn seeding and establishment. The project as a whole is 99% complete with 86% of the contract working days expended. Construction layout is 100% complete with four men assigned to the project for inspection and supervision.

RF 138 (8) Roundup-North
Length: 6.2 Miles
Grade, Gravel, Plant Mix Surfacing
Bridge
Contract Awarded: 5-24-76
Contract Amount: $2,033,972.96
Work Started: 7-1-76

Zook Brothers Construciton Co.
Great Falls, Montana
Robert A. Passow, S.E.T.
Field Project Manager (Road)
Albert G. Reather
Field Project Manager (Bridge)
Roundup, Montana
Telephone: 323-2040
Contract Time: 180 working days
Prob. Compl. Date: 9-15-77

Work accomplished this reporting period consisted of hauling, processing, and laying shoulder gravel and approach gravel, and priming shoulder gravel.

RF 138 (8) Roundup-North continued...

Zook Brothers have hauled 2371.7 tons of 1½" C.B.C. Type A Gr. 5 material for shoulders and 2930.6 tons of 1½" C.B.C. Type A Gr. 5 material for approaches. They have primed the shoulders from Sta. 445+00 to 644+50 using 29.6 tons. They anticipate resuming paving Wednesday, May 11, 1977. A six-man engineering crew is assigned to project inspection and layout. The project is 80% complete with 63% of the contract time elapsed.

BRIDGE: 100% complete, pending guardrail touchup.

RS 444 (3) Utica-Windham
Length: 10.7 Miles
Grade, Gravel, Plant Mix Base
Contract Awarded: 5-28-76
Contract Amount: $1,874,234.66
Work Started: 8-5-76

Hilde Construction Co. and
Maronick Construction Co. (JV)
East Helena, Montana
Bruce H. Barrett
Field Project Manager
Hobson, Montana
Telephone: 423-5327
Contract Time: 180 working days
Probable Compl. Date: 9-15-77

Progress the past reporting period has been good. 40,867 tons of C.B.C. Type A Gr. 5 were placed for a total to date of 154,480 tons or 90% complete. 334 C.Y. of Class I Riprap were installed as per Change Order No. 8. 1,800 C.Y. of Unclassified Excavation were moved to complete the connection at the beginning of the project. Topsoil placement is complete and Swan and Son began seeding on May 4, 1977 and completed those areas that could be seeded on May 12 and the seeding is 95% complete.

The prime contractor has 26 men employed and is working one 9-hr. shift per day five days per week on aggregate production and general clean-up and one 10-hr. shift per day five days per week on processing and laydown. The sub-contractor worked ten hours per day for eight days with three men employed. The project is 68% complete with 64% of the contract time elapsed. Construction layout with 11 engineering personnel assigned to the project is 89% complete.

RS 450 (3) Denton-North
6.4 Miles Grading, Aggregate Surfacing
Plant Mix Surfacing, Drain, Seal and
Cover, Signing, and Construct an 85.0
Prestressed Concrete Bridge
Fergus County
Contract Awarded: 3-31-76
Contract Amount: $1,001,089.52
Work Started: 4-19-76

Zook Brothers Construction Co.
Great Falls, Montana
Ross M. Johnson
Field Project Manager (Road)
Dale E. DeVore
Field Project Manager (Bridge)
Lewistown, Montana
Telephone: 538-8731
Contract Time: 175 working days
Probable Compl. Date: 7-1-77

No work on project this past reporting period. Chips and Seal operations will begin when weather permits. The project as a whole is 92% complete with 60% of the contract time elapsed. A three-man survey crew is presently setting R/W markers and monuments throughout project.

SMP 1499-76 Maint. Stockpiles on Various Roads
Fergus, Judith Basin, Musselshell Petroleum, and Rosebud Counties
Crushing and Stockpiling
Contract Awarded: 11-19-76
Bid Price: $165,960.00

Empire Sand & Gravel Company, Inc.
Billings, Montana
Robert A. Passow, S.E.T.
Field Project Manager
Roundup, Montana
Telephone: 323-2040
Martin C. VanMil
Field Project Manager
Telephone: 538-8731
Contract Time: 120 working days
Probable Compl. Date: 7-11-77

Progress during the past reporting period has been good. The contractor worked 18 nine-hour shifts with 11 men employed. Work consisted of crushing and stockpiling 30,000 tons of ½" C.T.S. Gr. 4A in Pit No. 3510-08, Petroleum County, and Pit No. 1420-06, Fergus County. The project is 84% complete with 66.4% of the contract time elapsed.

ROS 4144 (52) Unit 4 & Unit 13 - Roundup
Guardrail Installation
Contract Let: 2-28-77
Contract Awarded: 2-28-77
Contract Amount: $25,223.00
Work Started: 5-10-77

Frank Gurney, Inc., & Subsidiary
Spokane, Washington
Robert A. Passow, S.E.T.
Field Project Manager
Roundup, Montana
Telephone: 323-2040
Contract Time: 30 working days
Probable Completion Date: 5-27-77

The contractor started work 5-10-77 and installed construction signs and placed guardrail posts at the rail sites. Less than 5% of the project is complete with 53% of the contract time elapsed. One man is assigned to project inspection.

Respectfully submitted,

R. W. Freeman, P.E., Supervisor
Division Construction Section
Lewistown

RWF/JHP/jlw

DIRECT PARTICIPATION

FEDERAL HIGHWAY ADMINISTRATION

APRIL 11, 1977

MONTHLY PROGRESS REPORT
DIRECT FEDERAL CONSTRUCTION
MONTANA

April 11, 1977

| Project | Location | Length | Type Work | Percent Time Used | % Work Completed and Estimated Completion Date | Contractor and Contract Amount |
|---|---|---|---|---|---|---|
| BHC 1(3) | Big Horn Canyon National Recreation Area | 9.65 | Grading, PMS | 60 | 48<br>Oct. 1977 | R. J. Studer & Sons<br>$2,759,751.00 |